

**Table 1. Number and Capacity of Operable Petroleum Refineries by PAD District and State as of January 1, 2011**

PAD District and State	Number of Operable Refineries			Atmospheric Crude Oil Distillation Capacity					
				Barrels per Calendar Day			Barrels per Stream Day		
	Total	Operating	Idle <sup>a</sup>	Total	Operating	Idle <sup>b</sup>	Total	Operating	Idle <sup>b</sup>
<b>PAD District I</b>	<b>14</b>	<b>10</b>	<b>4</b>	<b>1,617,500</b>	<b>1,205,000</b>	<b>412,500</b>	<b>1,708,500</b>	<b>1,273,500</b>	<b>435,000</b>
Delaware.....	1	0	1	182,200	0	182,200	190,200	0	190,200
Georgia.....	1	1	0	28,000	14,000	14,000	32,000	16,000	16,000
New Jersey.....	5	3	2	548,000	398,000	150,000	574,000	416,000	158,000
Pennsylvania.....	5	5	0	773,000	773,000	0	819,500	819,500	0
Virginia.....	1	0	1	66,300	0	66,300	70,800	0	70,800
West Virginia.....	1	1	0	20,000	20,000	0	22,000	22,000	0
<b>PAD District II</b>	<b>27</b>	<b>25</b>	<b>2</b>	<b>3,721,200</b>	<b>3,647,700</b>	<b>73,500</b>	<b>4,022,327</b>	<b>3,943,127</b>	<b>79,200</b>
Illinois.....	4	4	0	973,600	917,600	56,000	1,014,400	955,500	58,900
Indiana.....	2	2	0	431,500	431,500	0	457,500	457,500	0
Kansas.....	3	3	0	339,200	339,200	0	347,500	347,500	0
Kentucky.....	2	1	1	217,500	212,000	5,500	252,300	246,000	6,300
Michigan.....	1	1	0	106,000	106,000	0	114,000	114,000	0
Minnesota.....	2	2	0	336,000	336,000	0	404,500	404,500	0
North Dakota.....	1	1	0	58,000	58,000	0	60,000	60,000	0
Ohio.....	4	4	0	524,400	524,400	0	589,500	589,500	0
Oklahoma.....	6	5	1	520,700	508,700	12,000	554,627	540,627	14,000
Tennessee.....	1	1	0	180,000	180,000	0	190,000	190,000	0
Wisconsin.....	1	1	0	34,300	34,300	0	38,000	38,000	0
<b>PAD District III</b>	<b>56</b>	<b>54</b>	<b>2</b>	<b>8,646,219</b>	<b>8,515,919</b>	<b>130,300</b>	<b>9,266,062</b>	<b>9,126,955</b>	<b>139,107</b>
Alabama.....	3	3	0	120,100	120,100	0	130,000	130,000	0
Arkansas.....	2	2	0	82,500	82,500	0	87,700	87,700	0
Louisiana.....	19	18	1	3,219,520	3,164,520	55,000	3,388,355	3,332,355	56,000
Mississippi.....	3	3	0	364,000	364,000	0	397,500	397,500	0
New Mexico.....	3	2	1	142,900	126,100	16,800	156,107	138,000	18,107
Texas.....	26	26	0	4,717,199	4,658,699	58,500	5,106,400	5,041,400	65,000
<b>PAD District IV</b>	<b>17</b>	<b>16</b>	<b>1</b>	<b>623,900</b>	<b>620,300</b>	<b>3,600</b>	<b>665,700</b>	<b>661,700</b>	<b>4,000</b>
Colorado.....	2	2	0	103,000	103,000	0	109,500	109,500	0
Montana.....	4	4	0	187,600	187,600	0	195,800	195,800	0
Utah.....	5	5	0	167,200	167,200	0	176,400	176,400	0
Wyoming.....	6	5	1	166,100	162,500	3,600	184,000	180,000	4,000
<b>PAD District V</b>	<b>34</b>	<b>32</b>	<b>2</b>	<b>3,127,551</b>	<b>2,948,105</b>	<b>179,446</b>	<b>3,290,600</b>	<b>3,104,600</b>	<b>186,000</b>
Alaska.....	6	6	0	389,980	295,034	94,946	419,700	323,700	96,000
California.....	20	18	2	1,959,271	1,874,771	84,500	2,059,900	1,969,900	90,000
Hawaii.....	2	2	0	147,500	147,500	0	152,000	152,000	0
Nevada.....	1	1	0	2,000	2,000	0	5,000	5,000	0
Washington.....	5	5	0	628,800	628,800	0	654,000	654,000	0
<b>U.S. Total</b>	<b>148</b>	<b>137</b>	<b>11</b>	<b>17,736,370</b>	<b>16,937,024</b>	<b>799,346</b>	<b>18,953,189</b>	<b>18,109,882</b>	<b>843,307</b>
Virgin Islands.....	1	1	0	500,000	500,000	0	525,000	525,000	0

**Table 1. Number and Capacity of Operable Petroleum Refineries by PAD District and State as of January 1, 2011**

PAD District and State	Downstream Charge Capacity (Barrels per Stream Day)							Fuels Solvent Deasphalting
	Vacuum Distillation	Thermal Cracking	Catalytic Cracking		Catalytic Hydro- Cracking	Catalytic Reforming	Hydrotreating/ Desulfurization	
			Fresh	Recycled				
<b>PAD District I</b>	<b>677,900</b>	<b>103,500</b>	<b>709,700</b>	<b>7,700</b>	<b>45,300</b>	<b>293,250</b>	<b>1,349,600</b>	<b>20,000</b>
Delaware	104,600	54,500	82,000	4,000	22,300	43,800	155,500	0
Georgia	0	0	0	0	0	0	0	0
New Jersey	244,000	27,000	275,000	0	0	62,000	409,500	20,000
Pennsylvania	276,200	0	324,500	1,000	23,000	171,800	692,500	0
Virginia	44,500	22,000	28,200	2,700	0	11,700	73,500	0
West Virginia	8,600	0	0	0	0	3,950	18,600	0
<b>PAD District II</b>	<b>1,588,612</b>	<b>412,176</b>	<b>1,312,410</b>	<b>16,550</b>	<b>286,000</b>	<b>928,573</b>	<b>3,548,157</b>	<b>17,850</b>
Illinois	403,400	146,400	321,800	3,000	74,000	262,400	880,650	0
Indiana	259,100	37,000	183,600	7,200	0	78,500	380,800	0
Kansas	147,500	66,000	102,000	500	36,000	81,000	356,700	0
Kentucky	117,500	0	104,000	0	0	53,500	269,300	13,000
Michigan	55,000	0	32,500	0	0	21,500	102,500	0
Minnesota	218,500	67,000	115,500	0	44,000	69,300	403,000	0
North Dakota	0	0	27,000	3,600	0	12,500	34,900	0
Ohio	158,500	58,000	200,000	0	102,000	167,500	460,500	0
Oklahoma	208,612	37,776	145,010	2,250	30,000	138,373	462,507	4,850
Tennessee	0	0	70,000	0	0	36,000	164,600	0
Wisconsin	20,500	0	11,000	0	0	8,000	32,700	0
<b>PAD District III</b>	<b>4,498,375</b>	<b>1,467,400</b>	<b>3,114,405</b>	<b>50,000</b>	<b>922,100</b>	<b>1,760,890</b>	<b>8,718,480</b>	<b>242,900</b>
Alabama	48,000	32,000	0	0	18,500	37,300	98,000	0
Arkansas	48,500	0	21,000	0	0	14,800	91,300	7,400
Louisiana	1,648,500	545,300	1,162,200	13,500	322,500	581,600	2,800,600	63,500
Mississippi	338,875	105,000	88,000	0	74,000	95,600	295,300	0
New Mexico	29,600	0	41,500	3,500	0	36,300	158,300	0
Texas	2,384,900	785,100	1,801,705	33,000	507,100	995,290	5,274,980	172,000
<b>PAD District IV</b>	<b>240,100</b>	<b>88,100</b>	<b>199,206</b>	<b>4,990</b>	<b>29,800</b>	<b>132,300</b>	<b>556,260</b>	<b>6,000</b>
Colorado	33,500	0	30,000	500	0	21,900	85,000	0
Montana	99,300	47,100	60,000	990	6,200	39,050	204,810	0
Utah	32,500	8,500	57,400	3,000	8,000	37,300	133,200	6,000
Wyoming	74,800	32,500	51,806	500	15,600	34,050	133,250	0
<b>PAD District V</b>	<b>1,645,256</b>	<b>601,200</b>	<b>884,000</b>	<b>16,400</b>	<b>572,400</b>	<b>605,600</b>	<b>2,510,400</b>	<b>96,000</b>
Alaska	31,500	0	0	0	12,500	14,200	24,500	0
California	1,250,656	506,900	716,000	13,400	474,900	430,500	2,063,700	66,000
Hawaii	71,300	11,000	22,000	0	20,000	13,000	16,500	0
Nevada	5,000	0	0	0	0	0	0	0
Washington	286,800	83,300	146,000	3,000	65,000	147,900	405,700	30,000
<b>U.S. Total</b>	<b>8,650,243</b>	<b>2,672,376</b>	<b>6,219,721</b>	<b>95,640</b>	<b>1,855,600</b>	<b>3,720,613</b>	<b>16,682,897</b>	<b>382,750</b>
Virgin Islands	225,000	102,000	149,000	0	0	107,000	503,000	0

<sup>a</sup> Refineries where distillation units were completely idle but not permanently shutdown on January 1, 2011.

<sup>b</sup> Includes capacity from refineries that are either completely or partially idle.

Source: Energy Information Administration (EIA), Form EIA-820, "Annual Refinery Report."

**Table 2. Production Capacity of Operable Petroleum Refineries by PAD District and State as of January 1, 2011**

(Barrels per Stream Day, Except Where Noted)

PAD District and State	Production Capacity							
	Alkylates	Aromatics	Asphalt and Road Oil	Isomers	Lubricants	Marketable Petroleum Coke	Hydrogen <sup>a</sup> (MMcfd)	Sulfur (short tons/day)
<b>PAD District I</b>	<b>108,629</b>	<b>18,111</b>	<b>145,165</b>	<b>32,400</b>	<b>21,045</b>	<b>27,120</b>	<b>88</b>	<b>1,141</b>
Delaware	11,729	5,191	0	6,000	0	13,620	40	596
Georgia	0	0	24,000	0	0	0	0	0
New Jersey	37,200	0	98,500	4,000	12,000	7,500	31	216
Pennsylvania	54,500	12,920	22,065	22,400	2,945	0	0	267
Virginia	5,200	0	0	0	0	6,000	14	61
West Virginia	0	0	600	0	6,100	0	3	1
<b>PAD District II</b>	<b>265,488</b>	<b>81,700</b>	<b>302,930</b>	<b>143,432</b>	<b>9,100</b>	<b>121,100</b>	<b>495</b>	<b>6,084</b>
Illinois	83,400	13,500	70,100	14,500	0	49,095	114	1,819
Indiana	28,000	16,800	52,900	27,700	0	10,000	30	584
Kansas	30,500	2,200	4,000	27,150	0	18,190	73	690
Kentucky	21,000	2,000	27,000	15,000	0	0	0	448
Michigan	5,000	0	22,700	0	0	0	0	146
Minnesota	18,000	0	58,000	9,000	0	20,900	184	1,264
North Dakota	4,400	0	0	0	0	0	0	17
Ohio	28,950	18,200	23,800	31,200	0	14,200	33	622
Oklahoma	32,638	0	36,930	14,882	9,100	8,715	61	344
Tennessee	12,000	29,000	0	4,000	0	0	0	116
Wisconsin	1,600	0	7,500	0	0	0	0	34
<b>PAD District III</b>	<b>622,050</b>	<b>194,000</b>	<b>211,525</b>	<b>314,126</b>	<b>172,895</b>	<b>443,569</b>	<b>1,023</b>	<b>21,688</b>
Alabama	0	0	15,000	6,700	0	7,120	33	230
Arkansas	5,000	0	22,000	7,500	5,000	0	13	157
Louisiana	219,900	35,300	46,100	127,220	69,000	159,108	157	6,250
Mississippi	18,600	21,000	36,125	1,400	23,000	35,500	243	1,300
New Mexico	10,900	0	8,200	13,973	0	0	38	205
Texas	367,650	137,700	84,100	157,333	75,895	241,841	539	13,546
<b>PAD District IV</b>	<b>45,950</b>	<b>0</b>	<b>62,450</b>	<b>16,659</b>	<b>0</b>	<b>26,975</b>	<b>174</b>	<b>960</b>
Colorado	0	0	12,250	985	0	0	22	116
Montana	17,550	0	38,300	5,950	0	12,775	94	416
Utah	18,400	0	1,800	8,700	0	2,500	0	95
Wyoming	10,000	0	10,100	1,024	0	11,700	58	333
<b>PAD District V</b>	<b>220,326</b>	<b>3,500</b>	<b>105,933</b>	<b>196,425</b>	<b>39,800</b>	<b>159,350</b>	<b>1,302</b>	<b>5,610</b>
Alaska	0	2,000	12,000	4,500	0	0	13	27
California	181,526	1,500	75,433	149,125	39,800	134,700	1,146	4,804
Hawaii	5,000	0	0	3,200	0	0	21	38
Nevada	0	0	5,000	0	0	0	0	0
Washington	33,800	0	13,500	39,600	0	24,650	122	741
<b>U.S. Total</b>	<b>1,262,443</b>	<b>297,311</b>	<b>828,003</b>	<b>703,042</b>	<b>242,840</b>	<b>778,114</b>	<b>3,082</b>	<b>35,483</b>
Virgin Islands	19,000	20,000	0	20,000	0	19,000	0	550

<sup>a</sup> Includes hydrogen production capacity of hydrogen plants on refinery grounds.

MMcfd = Million cubic feet per day.

Source: Energy Information Administration (EIA), Form EIA-820, "Annual Refinery Report."

Directory of Operable Petroleum Refineries on Tables 3 and 4

Refiner	State(s) <sup>a</sup>	Refiner	State(s) <sup>a</sup>
Age Refining Inc.....		TX Marathon Petroleum Co LLC.....	IL, KY, LA, MI, OH, TX
Alon Bakersfield Operating Inc.....		CA Martin Midstream Partners LP.....	AR
Alon Refining Krotz Springs Inc.....		LA Montana Refining Co.....	MT
Alon USA Energy Inc.....		TX Motiva Enterprises LLC.....	LA, TX
American Refining Group Inc.....		PA Murphy Oil USA Inc.....	LA, WI
BP Exploration Alaska Inc.....		AK NCRA.....	KS
BP Products North America Inc.....		IN, TX Navajo Refining Co.....	NM
BP West Coast Products LLC.....		CA, WA Nustar Asphalt Refining LLC.....	GA, NJ
BP-Husky Refining LLC.....		OH PDV Midwest Refining LLC.....	IL
Big West Oil Co.....		UT Paramount Petroleum Corporation.....	CA
Calcasieu Refining Co.....		LA Pasadena Refining Systems Inc.....	TX
Calumet Lubricants Co LP.....		LA Paulsboro Refining Co LLC.....	NJ
Calumet Shreveport LLC.....		LA Pelican Refining Company LLC.....	LA
Cenex Harvest States Coop.....		MT Petro Star Inc.....	AK
Chalmette Refining LLC.....		LA Placid Refining Co.....	LA
Chevron USA Inc.....	CA, HI, MS, NJ, UT	Premcor Refining Group Inc.....	TN, TX
Citgo Petroleum Corp.....		LA San Joaquin Refining Co Inc.....	CA
Citgo Refining & Chemical Inc.....		TX Shell Chemical LP.....	AL, LA
Coffeyville Resources Rfg & Mktg LLC.....		KS Shell Oil Products US.....	CA, WA
ConocoPhillips Alaska Inc.....		AK Silver Eagle Refining.....	UT, WY
ConocoPhillips Company.....	CA, LA, MT, NJ, OK, PA, TX, WA	Sinclair Wyoming Refining Co.....	WY
Countrymark Cooperative Inc.....		IN Somerset Energy Refining LLC.....	KY
Deer Park Refining LTD Partnership.....		TX South Hampton Resources Inc.....	TX
Delaware City Refining Co LLC.....		DE St Paul Park Refining Co LLC.....	MN
Delek Refining LTD.....		TX Suncor Energy (USA) Inc.....	CO
Equistar Chemicals LP.....		TX Sunoco Inc.....	OH, PA
Ergon Refining Inc.....		MS Sunoco Inc (R&M).....	PA
Ergon West Virginia Inc.....		WV Tenby Inc.....	CA
Excel Paralubes.....		LA Tesoro Alaska Petroleum Co.....	AK
ExxonMobil Refining & Supply Co.....	CA, IL, LA, MT, TX	Tesoro Hawaii Corp.....	HI
Flint Hills Resources LP.....	AK, MN, TX	Tesoro Refining & Marketing Co.....	CA
Foreland Refining Corp.....		NV Tesoro West Coast.....	ND, UT, WA
Frontier El Dorado Refining Co.....		KS Total Petrochemicals Inc.....	TX
Frontier Refining Inc.....		WY Trigeant LTD.....	TX
Garco Energy LLC.....		WY US Oil & Refining Co.....	WA
Goodway Refining LLC.....		AL United Refining Co.....	PA
Greka Energy.....		CA Valero Energy Corporation.....	TX
Hess Corporation.....		NJ Valero Refining Co California.....	CA
Holly Refining & Marketing Co.....	OK, UT	Valero Refining Co Oklahoma.....	OK
Houston Refining LP.....		TX Valero Refining Co Texas LP.....	TX
Hovensa LLC.....		VI Valero Refining New Orleans LLC.....	LA
Hunt Refining Co.....		AL Ventura Refining & Transmission LLC.....	OK
Hunt Southland Refining Co.....		MS WRB Refining LLC.....	IL, TX
Kern Oil & Refining Co.....		CA Western Refining Company LP.....	TX
Lima Refining Company.....		OH Western Refining Southwest Inc.....	NM
Lion Oil Co.....		AR Western Refining Yorktown Inc.....	VA
Little America Refining Co.....		WY Wynnewood Refining Co.....	OK
Lunday Thagard Co.....		CA Wyoming Refining Co.....	WY

<sup>a</sup> Includes Puerto Rico (PR) and Virgin Islands (VI).

**Table 3. Capacity of Operable Petroleum Refineries by State as of January 1, 2011**

(Barrels per Stream Day, Except Where Noted)

State/Refiner/Location	Atmospheric Crude Oil Distillation Capacity				Downstream Charge Capacity				
	Barrels per Calendar Day		Barrels per Stream Day		Vacuum Distillation	Thermal Cracking			Other/Gas Oil
	Operating	Idle	Operating	Idle		Delayed Coking	Fluid Coking	Visbreaking	
<b>Alabama</b> .....	<b>120,100</b>	<b>0</b>	<b>130,000</b>	<b>0</b>	<b>48,000</b>	<b>32,000</b>	<b>0</b>	<b>0</b>	<b>0</b>
Goodway Refining LLC									
Atmore	4,100	0	5,000	0	0	0	0	0	0
Hunt Refining Co									
Tuscaloosa	36,000	0	40,000	0	18,000	32,000	0	0	0
Shell Chemical LP									
Saraland	80,000	0	85,000	0	30,000	0	0	0	0
<b>Alaska</b> .....	<b>295,034</b>	<b>94,946</b>	<b>323,700</b>	<b>96,000</b>	<b>31,500</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
BP Exploration Alaska Inc									
Prudhoe Bay	12,780	0	14,200	0	0	0	0	0	0
ConocoPhillips Alaska Inc									
Prudhoe Bay	15,000	0	16,000	0	0	0	0	0	0
Flint Hills Resources LP									
North Pole	124,554	94,946	139,000	96,000	5,500	0	0	0	0
Petro Star Inc									
North Pole	19,700	0	22,500	0	0	0	0	0	0
Valdez	55,000	0	60,000	0	0	0	0	0	0
Tesoro Alaska Petroleum Co									
Kenai	68,000	0	72,000	0	26,000	0	0	0	0
<b>Arkansas</b> .....	<b>82,500</b>	<b>0</b>	<b>87,700</b>	<b>0</b>	<b>48,500</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Lion Oil Co									
El Dorado	75,000	0	80,000	0	45,000	0	0	0	0
Martin Midstream Partners LP									
Smackover	7,500	0	7,700	0	3,500	0	0	0	0
<b>California</b> .....	<b>1,874,771</b>	<b>84,500</b>	<b>1,969,900</b>	<b>90,000</b>	<b>1,250,656</b>	<b>449,900</b>	<b>52,000</b>	<b>5,000</b>	<b>0</b>
Alon Bakersfield Operating Inc									
Bakersfield	0	0	0	0	0	0	0	0	0
BP West Coast Products LLC									
Los Angeles	253,000	0	266,000	0	140,000	67,100	0	0	0
Chevron USA Inc									
El Segundo	273,000	0	286,900	0	169,100	77,600	0	0	0
Richmond	245,271	0	257,200	0	123,456	0	0	0	0
ConocoPhillips Company									
Rodeo	120,200	0	128,000	0	92,300	51,000	0	0	0
Wilmington	139,000	0	147,000	0	82,000	53,200	0	0	0
ExxonMobil Refining & Supply Co									
Torrance	149,500	0	155,800	0	102,300	53,000	0	0	0
Greka Energy									
Santa Maria	9,500	0	10,000	0	10,000	0	0	0	0
Kern Oil & Refining Co									
Bakersfield	26,000	0	27,000	0	0	0	0	0	0
Lunday Thagard Co									
South Gate	8,500	0	10,000	0	7,000	0	0	0	0

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(Barrels per Stream Day, Except Where Noted)

State/Refiner/Location	Downstream Charge Capacity							
	Catalytic Cracking		Catalytic Hydrocracking			Catalytic Reforming		Fuels Solvent Deasphalting
	Fresh	Recycled	Distillate	Gas Oil	Residual	Low Pressure	High Pressure	
<b>Alabama</b> .....	<b>0</b>	<b>0</b>	<b>0</b>	<b>18,500</b>	<b>0</b>	<b>15,300</b>	<b>22,000</b>	<b>0</b>
Goodway Refining LLC								
Atmore .....	0	0	0	0	0	0	0	0
Hunt Refining Co								
Tuscaloosa .....	0	0	0	18,500	0	15,300	0	0
Shell Chemical LP								
Saraland .....	0	0	0	0	0	0	22,000	0
<b>Alaska</b> .....	<b>0</b>	<b>0</b>	<b>0</b>	<b>12,500</b>	<b>0</b>	<b>14,200</b>	<b>0</b>	<b>0</b>
BP Exploration Alaska Inc								
Prudhoe Bay .....	0	0	0	0	0	0	0	0
ConocoPhillips Alaska Inc								
Prudhoe Bay .....	0	0	0	0	0	0	0	0
Flint Hills Resources LP								
North Pole .....	0	0	0	0	0	0	0	0
Petro Star Inc								
North Pole .....	0	0	0	0	0	0	0	0
Valdez .....	0	0	0	0	0	0	0	0
Tesoro Alaska Petroleum Co								
Kenai .....	0	0	0	12,500	0	14,200	0	0
<b>Arkansas</b> .....	<b>21,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>14,800</b>	<b>0</b>	<b>7,400</b>
Lion Oil Co								
El Dorado .....	21,000	0	0	0	0	14,800	0	7,400
Martin Midstream Partners LP								
Smackover .....	0	0	0	0	0	0	0	0
<b>California</b> .....	<b>716,000</b>	<b>13,400</b>	<b>185,700</b>	<b>289,200</b>	<b>0</b>	<b>213,800</b>	<b>216,700</b>	<b>66,000</b>
Alon Bakersfield Operating Inc								
Bakersfield .....	0	0	0	14,500	0	8,000	0	0
BP West Coast Products LLC								
Los Angeles .....	102,500	0	50,000	0	0	10,000	43,000	0
Chevron USA Inc								
El Segundo .....	73,800	0	0	52,300	0	49,000	0	0
Richmond .....	90,000	0	0	103,400	0	71,300	0	66,000
ConocoPhillips Company								
Rodeo .....	0	0	0	62,000	0	0	34,000	0
Wilmington .....	51,600	0	27,500	0	0	0	36,200	0
ExxonMobil Refining & Supply Co								
Torrance .....	87,800	12,400	22,200	0	0	0	18,000	0
Greka Energy								
Santa Maria .....	0	0	0	0	0	0	0	0
Kern Oil & Refining Co								
Bakersfield .....	0	0	0	0	0	2,500	3,300	0
Lunday Thagard Co								
South Gate .....	0	0	0	0	0	0	0	0

**Table 3. Capacity of Operable Petroleum Refineries by State as of January 1, 2011**  
(Barrels per Stream Day, Except Where Noted)

State/Refiner/Location	Downstream Charge Capacity							
	Desulfurization (incl. Catalytic Hydrotreating)							
	Naphtha/ Reformer Feed	Gasoline	Kerosene/ Jet Fuel	Diesel Fuel	Other Distillate	Residual	Heavy Gas Oil	Other
<b>Alabama</b> .....	<b>33,000</b>	<b>0</b>	<b>2,500</b>	<b>8,000</b>	<b>22,000</b>	<b>0</b>	<b>32,500</b>	<b>0</b>
Goodway Refining LLC								
Atmore .....	0	0	0	0	0	0	0	0
Hunt Refining Co								
Tuscaloosa .....	11,000	0	2,500	0	22,000	0	10,500	0
Shell Chemical LP								
Saraland .....	22,000	0	0	8,000	0	0	22,000	0
<b>Alaska</b> .....	<b>13,000</b>	<b>0</b>	<b>0</b>	<b>11,500</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
BP Exploration Alaska Inc								
Prudhoe Bay .....	0	0	0	0	0	0	0	0
ConocoPhillips Alaska Inc								
Prudhoe Bay .....	0	0	0	0	0	0	0	0
Flint Hills Resources LP								
North Pole .....	0	0	0	0	0	0	0	0
Petro Star Inc								
North Pole .....	0	0	0	0	0	0	0	0
Valdez .....	0	0	0	0	0	0	0	0
Tesoro Alaska Petroleum Co								
Kenai .....	13,000	0	0	11,500	0	0	0	0
<b>Arkansas</b> .....	<b>20,000</b>	<b>6,500</b>	<b>0</b>	<b>30,800</b>	<b>0</b>	<b>0</b>	<b>21,000</b>	<b>13,000</b>
Lion Oil Co								
El Dorado .....	20,000	6,500	0	30,800	0	0	21,000	8,000
Martin Midstream Partners LP								
Smackover .....	0	0	0	0	0	0	0	5,000
<b>California</b> .....	<b>443,600</b>	<b>228,300</b>	<b>196,100</b>	<b>332,800</b>	<b>120,000</b>	<b>0</b>	<b>687,200</b>	<b>55,700</b>
Alon Bakersfield Operating Inc								
Bakersfield .....	8,000	0	0	0	0	0	0	0
BP West Coast Products LLC								
Los Angeles .....	45,000	27,000	10,000	21,000	0	0	95,000	0
Chevron USA Inc								
El Segundo .....	59,000	0	36,300	42,000	14,000	0	73,700	0
Richmond .....	57,600	64,800	96,000	64,800	0	0	65,000	34,000
ConocoPhillips Company								
Rodeo .....	27,500	0	0	32,000	0	0	0	0
Wilmington .....	50,800	0	12,900	32,000	0	0	55,000	0
ExxonMobil Refining & Supply Co								
Torrance .....	24,700	0	0	18,000	0	0	106,500	0
Greka Energy								
Santa Maria .....	0	0	0	0	0	0	0	0
Kern Oil & Refining Co								
Bakersfield .....	5,000	0	0	0	9,000	0	0	0
Lunday Thagard Co								
South Gate .....	0	0	0	0	0	0	0	0

**Table 3. Capacity of Operable Petroleum Refineries by State as of January 1, 2011**

(Barrels per Stream Day, Except Where Noted)

State/Refiner/Location	Atmospheric Crude Oil Distillation Capacity				Downstream Charge Capacity				
	Barrels per Calendar Day		Barrels per Stream Day		Vacuum Distillation	Thermal Cracking			Other/Gas Oil
	Operating	Idle	Operating	Idle		Delayed Coking	Fluid Coking	Visbreaking	
<b>California</b> .....	<b>1,874,771</b>	<b>84,500</b>	<b>1,969,900</b>	<b>90,000</b>	<b>1,250,656</b>	<b>449,900</b>	<b>52,000</b>	<b>5,000</b>	<b>0</b>
Paramount Petroleum Corporation									
Long Beach (Formerly Edgington Oil Co Inc)	0	31,500	0	35,000	25,000	0	0	0	0
Paramount	0	53,000	0	55,000	30,000	0	0	0	0
San Joaquin Refining Co Inc									
Bakersfield	15,000	0	25,000	0	14,300	0	0	5,000	0
Shell Oil Products US									
Martinez	156,400	0	158,000	0	102,000	25,000	22,500	0	0
Tenby Inc									
Oxnard	2,800	0	4,000	0	0	0	0	0	0
Tesoro Refining & Marketing Co									
Martinez	166,000	0	170,000	0	156,900	53,000	0	0	0
Wilmington	94,300	0	103,500	0	65,000	42,000	0	0	0
Valero Refining Co California									
Benicia	132,000	0	135,000	0	81,300	0	29,500	0	0
Wilmington Asphalt Plant	6,300	0	6,500	0	5,000	0	0	0	0
Wilmington Refinery	78,000	0	80,000	0	45,000	28,000	0	0	0
<b>Colorado</b> .....	<b>103,000</b>	<b>0</b>	<b>109,500</b>	<b>0</b>	<b>33,500</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Suncor Energy (USA) Inc									
Commerce City East	36,000	0	37,500	0	8,500	0	0	0	0
Commerce City West	67,000	0	72,000	0	25,000	0	0	0	0
<b>Delaware</b> .....	<b>0</b>	<b>182,200</b>	<b>0</b>	<b>190,200</b>	<b>104,600</b>	<b>0</b>	<b>54,500</b>	<b>0</b>	<b>0</b>
Delaware City Refining Co LLC									
Delaware City	0	182,200	0	190,200	104,600	0	54,500	0	0
<b>Georgia</b> .....	<b>14,000</b>	<b>14,000</b>	<b>16,000</b>	<b>16,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Nustar Asphalt Refining LLC									
Savannah	14,000	14,000	16,000	16,000	0	0	0	0	0
<b>Hawaii</b> .....	<b>147,500</b>	<b>0</b>	<b>152,000</b>	<b>0</b>	<b>71,300</b>	<b>0</b>	<b>0</b>	<b>11,000</b>	<b>0</b>
Chevron USA Inc									
Honolulu	54,000	0	57,000	0	31,300	0	0	0	0
Tesoro Hawaii Corp									
Ewa Beach	93,500	0	95,000	0	40,000	0	0	11,000	0
<b>Illinois</b> .....	<b>917,600</b>	<b>56,000</b>	<b>955,500</b>	<b>58,900</b>	<b>403,400</b>	<b>146,400</b>	<b>0</b>	<b>0</b>	<b>0</b>
ExxonMobil Refining & Supply Co									
Joliet	238,600	0	248,000	0	126,700	59,400	0	0	0
Marathon Petroleum Co LLC									
Robinson	206,000	0	215,000	0	71,500	29,000	0	0	0
PDV Midwest Refining LLC									
Lemont	167,000	0	170,500	0	75,000	40,000	0	0	0
WRB Refining LLC									
Wood River	306,000	56,000	322,000	58,900	130,200	18,000	0	0	0

**Table 3. Capacity of Operable Petroleum Refineries by State as of January 1, 2011**

(Barrels per Stream Day, Except Where Noted)

State/Refiner/Location	Downstream Charge Capacity							
	Catalytic Cracking		Catalytic Hydrocracking			Catalytic Reforming		Fuels Solvent Deasphalting
	Fresh	Recycled	Distillate	Gas Oil	Residual	Low Pressure	High Pressure	
<b>California</b>	<b>716,000</b>	<b>13,400</b>	<b>185,700</b>	<b>289,200</b>	<b>0</b>	<b>213,800</b>	<b>216,700</b>	<b>66,000</b>
Paramount Petroleum Corporation								
Long Beach (Formerly Edgington Oil Co Inc)	0	0	0	0	0	0	0	0
Paramount	0	0	0	0	0	0	12,000	0
San Joaquin Refining Co Inc								
Bakersfield	0	0	0	0	0	0	0	0
Shell Oil Products US								
Martinez	72,000	0	42,000	0	0	31,000	0	0
Tenby Inc								
Oxnard	0	0	0	0	0	0	0	0
Tesoro Refining & Marketing Co								
Martinez	72,000	1,000	0	35,000	0	24,000	0	0
Wilmington	35,000	0	10,000	22,000	0	0	33,000	0
Valero Refining Co California								
Benicia	75,300	0	34,000	0	0	0	37,200	0
Wilmington Asphalt Plant	0	0	0	0	0	0	0	0
Wilmington Refinery	56,000	0	0	0	0	18,000	0	0
<b>Colorado</b>	<b>30,000</b>	<b>500</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>21,900</b>	<b>0</b>	<b>0</b>
Suncor Energy (USA) Inc								
Commerce City East	9,000	500	0	0	0	11,000	0	0
Commerce City West	21,000	0	0	0	0	10,900	0	0
<b>Delaware</b>	<b>82,000</b>	<b>4,000</b>	<b>0</b>	<b>22,300</b>	<b>0</b>	<b>43,800</b>	<b>0</b>	<b>0</b>
Delaware City Refining Co LLC								
Delaware City	82,000	4,000	0	22,300	0	43,800	0	0
<b>Georgia</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Nustar Asphalt Refining LLC								
Savannah	0	0	0	0	0	0	0	0
<b>Hawaii</b>	<b>22,000</b>	<b>0</b>	<b>2,000</b>	<b>18,000</b>	<b>0</b>	<b>13,000</b>	<b>0</b>	<b>0</b>
Chevron USA Inc								
Honolulu	22,000	0	0	0	0	0	0	0
Tesoro Hawaii Corp								
Ewa Beach	0	0	2,000	18,000	0	13,000	0	0
<b>Illinois</b>	<b>321,800</b>	<b>3,000</b>	<b>0</b>	<b>74,000</b>	<b>0</b>	<b>211,400</b>	<b>51,000</b>	<b>0</b>
ExxonMobil Refining & Supply Co								
Joliet	99,300	0	0	0	0	52,600	0	0
Marathon Petroleum Co LLC								
Robinson	52,500	0	0	28,000	0	80,000	0	0
PDV Midwest Refining LLC								
Lemont	69,000	3,000	0	0	0	0	33,300	0
WRB Refining LLC								
Wood River	101,000	0	0	46,000	0	78,800	17,700	0

**Table 3. Capacity of Operable Petroleum Refineries by State as of January 1, 2011**  
(Barrels per Stream Day, Except Where Noted)

State/Refiner/Location	Downstream Charge Capacity							
	Desulfurization (incl. Catalytic Hydrotreating)							
	Naphtha/ Reformer Feed	Gasoline	Kerosene/ Jet Fuel	Diesel Fuel	Other Distillate	Residual	Heavy Gas Oil	Other
<b>California</b> .....	<b>443,600</b>	<b>228,300</b>	<b>196,100</b>	<b>332,800</b>	<b>120,000</b>	<b>0</b>	<b>687,200</b>	<b>55,700</b>
Paramount Petroleum Corporation								
Long Beach .....	0	0	0	0	0	0	0	0
(Formerly Edgington Oil Co Inc)								
Paramount .....	15,000	0	8,500	13,000	0	0	0	0
San Joaquin Refining Co Inc								
Bakersfield .....	0	0	0	0	3,000	0	0	0
Shell Oil Products US								
Martinez .....	27,500	50,000	0	0	48,500	0	81,500	0
Tenby Inc								
Oxnard .....	0	0	0	0	0	0	0	0
Tesoro Refining & Marketing Co								
Martinez .....	27,000	43,300	0	40,000	18,500	0	69,500	0
Wilmington .....	34,500	0	17,000	10,000	22,000	0	38,000	0
Valero Refining Co California								
Benicia .....	30,000	43,200	15,400	15,000	5,000	0	39,000	21,700
Wilmington Asphalt Plant .....	0	0	0	0	0	0	0	0
Wilmington Refinery .....	32,000	0	0	45,000	0	0	64,000	0
<b>Colorado</b> .....	<b>21,900</b>	<b>0</b>	<b>12,100</b>	<b>21,000</b>	<b>0</b>	<b>0</b>	<b>30,000</b>	<b>0</b>
Suncor Energy (USA) Inc								
Commerce City East .....	11,000	0	0	0	0	0	0	0
Commerce City West .....	10,900	0	12,100	21,000	0	0	30,000	0
<b>Delaware</b> .....	<b>50,000</b>	<b>32,000</b>	<b>16,500</b>	<b>27,000</b>	<b>30,000</b>	<b>0</b>	<b>0</b>	<b>0</b>
Delaware City Refining Co LLC								
Delaware City .....	50,000	32,000	16,500	27,000	30,000	0	0	0
<b>Georgia</b> .....	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Nustar Asphalt Refining LLC								
Savannah .....	0	0	0	0	0	0	0	0
<b>Hawaii</b> .....	<b>13,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,500</b>
Chevron USA Inc								
Honolulu .....	0	0	0	0	0	0	0	3,500
Tesoro Hawaii Corp								
Ewa Beach .....	13,000	0	0	0	0	0	0	0
<b>Illinois</b> .....	<b>404,300</b>	<b>121,500</b>	<b>66,250</b>	<b>288,600</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
ExxonMobil Refining & Supply Co								
Joliet .....	169,100	0	0	85,100	0	0	0	0
Marathon Petroleum Co LLC								
Robinson .....	66,500	41,500	0	79,000	0	0	0	0
PDV Midwest Refining LLC								
Lemont .....	99,400	0	13,000	78,500	0	0	0	0
WRB Refining LLC								
Wood River .....	69,300	80,000	53,250	46,000	0	0	0	0

**Table 3. Capacity of Operable Petroleum Refineries by State as of January 1, 2011**

(Barrels per Stream Day, Except Where Noted)

State/Refiner/Location	Atmospheric Crude Oil Distillation Capacity				Downstream Charge Capacity				
	Barrels per Calendar Day		Barrels per Stream Day		Vacuum Distillation	Thermal Cracking			
	Operating	Idle	Operating	Idle		Delayed Coking	Fluid Coking	Visbreaking	Other/Gas Oil
<b>Indiana</b> .....	<b>431,500</b>	<b>0</b>	<b>457,500</b>	<b>0</b>	<b>259,100</b>	<b>37,000</b>	<b>0</b>	<b>0</b>	<b>0</b>
BP Products North America Inc									
Whiting	405,000	0	430,000	0	247,000	37,000	0	0	0
Countrymark Cooperative Inc									
Mount Vernon	26,500	0	27,500	0	12,100	0	0	0	0
<b>Kansas</b> .....	<b>339,200</b>	<b>0</b>	<b>347,500</b>	<b>0</b>	<b>147,500</b>	<b>66,000</b>	<b>0</b>	<b>0</b>	<b>0</b>
Coffeyville Resources Rfg & Mktg LLC									
Coffeyville	115,700	0	120,000	0	46,000	25,000	0	0	0
Frontier El Dorado Refining Co									
El Dorado	138,000	0	140,000	0	64,000	19,000	0	0	0
NCRA									
McPherson	85,500	0	87,500	0	37,500	22,000	0	0	0
<b>Kentucky</b> .....	<b>212,000</b>	<b>5,500</b>	<b>246,000</b>	<b>6,300</b>	<b>117,500</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Marathon Petroleum Co LLC									
Catlettsburg	212,000	0	246,000	0	117,500	0	0	0	0
Somerset Energy Refining LLC									
Somerset	0	5,500	0	6,300	0	0	0	0	0
<b>Louisiana</b> .....	<b>3,164,520</b>	<b>55,000</b>	<b>3,332,355</b>	<b>56,000</b>	<b>1,648,500</b>	<b>534,700</b>	<b>0</b>	<b>0</b>	<b>10,600</b>
Alon Refining Krotz Springs Inc									
Krotz Springs	80,000	0	83,000	0	36,200	0	0	0	0
Calcasieu Refining Co									
Lake Charles	78,000	0	80,000	0	30,000	0	0	0	0
Calumet Lubricants Co LP									
Cotton Valley	13,020	0	14,000	0	0	0	0	0	0
Princeton	8,300	0	8,655	0	7,000	0	0	0	0
Calumet Shreveport LLC									
Shreveport	57,000	0	60,000	0	28,000	0	0	0	0
Chalmette Refining LLC									
Chalmette	192,500	0	200,700	0	116,700	30,000	0	0	0
Citgo Petroleum Corp									
Lake Charles	427,800	0	440,000	0	230,000	106,000	0	0	0
ConocoPhillips Company									
Belle Chasse	247,000	0	260,000	0	92,000	27,000	0	0	0
Westlake	239,400	0	252,000	0	132,000	60,000	0	0	10,600
Excel Paralubes									
Westlake	0	0	0	0	0	0	0	0	0
ExxonMobil Refining & Supply Co									
Baton Rouge	502,000	0	523,000	0	244,400	122,000	0	0	0
Marathon Petroleum Co LLC									
Garyville	464,000	0	507,000	0	244,400	84,500	0	0	0
Motiva Enterprises LLC									
Convent	235,000	0	255,000	0	119,400	0	0	0	0
Norco	233,500	0	250,000	0	95,000	28,200	0	0	0
Murphy Oil USA Inc									
Meraux	125,000	0	130,000	0	50,000	0	0	0	0
Pelican Refining Company LLC									
Lake Charles	0	0	0	0	12,000	0	0	0	0

**Table 3. Capacity of Operable Petroleum Refineries by State as of January 1, 2011**

(Barrels per Stream Day, Except Where Noted)

State/Refiner/Location	Downstream Charge Capacity							
	Catalytic Cracking		Catalytic Hydrocracking			Catalytic Reforming		Fuels Solvent Deasphalting
	Fresh	Recycled	Distillate	Gas Oil	Residual	Low Pressure	High Pressure	
<b>Indiana</b> .....	<b>183,600</b>	<b>7,200</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>6,500</b>	<b>72,000</b>	<b>0</b>
BP Products North America Inc								
Whiting .....	175,400	7,000	0	0	0	0	72,000	0
Countrymark Cooperative Inc								
Mount Vernon .....	8,200	200	0	0	0	6,500	0	0
<b>Kansas</b> .....	<b>102,000</b>	<b>500</b>	<b>0</b>	<b>36,000</b>	<b>0</b>	<b>57,500</b>	<b>23,500</b>	<b>0</b>
Coffeyville Resources Rfg & Mktg LLC								
Coffeyville .....	36,000	0	0	0	0	26,000	0	0
Frontier El Dorado Refining Co								
El Dorado .....	42,000	0	0	0	0	7,500	23,500	0
NCRA								
McPherson .....	24,000	500	0	36,000	0	24,000	0	0
<b>Kentucky</b> .....	<b>104,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>21,500</b>	<b>32,000</b>	<b>13,000</b>
Marathon Petroleum Co LLC								
Catlettsburg .....	104,000	0	0	0	0	21,500	31,000	13,000
Somerset Energy Refining LLC								
Somerset .....	0	0	0	0	0	0	1,000	0
<b>Louisiana</b> .....	<b>1,162,200</b>	<b>13,500</b>	<b>27,000</b>	<b>243,500</b>	<b>52,000</b>	<b>432,000</b>	<b>149,600</b>	<b>63,500</b>
Alon Refining Krotz Springs Inc								
Krotz Springs .....	34,000	0	0	0	0	0	13,000	0
Calcasieu Refining Co								
Lake Charles .....	0	0	0	0	0	0	0	0
Calumet Lubricants Co LP								
Cotton Valley .....	0	0	0	0	0	0	0	0
Princeton .....	0	0	0	0	0	0	0	0
Calumet Shreveport LLC								
Shreveport .....	0	0	0	0	0	12,000	0	0
Chalmette Refining LLC								
Chalmette .....	75,600	0	0	0	0	18,500	0	0
Citgo Petroleum Corp								
Lake Charles .....	145,000	3,000	0	44,500	0	58,000	52,000	0
ConocoPhillips Company								
Belle Chasse .....	102,000	2,000	0	0	0	0	44,600	0
Westlake .....	50,000	0	0	0	0	39,000	0	0
Excel Paralubes								
Westlake .....	0	0	0	41,000	0	0	0	0
ExxonMobil Refining & Supply Co								
Baton Rouge .....	243,000	0	27,000	0	0	78,000	0	0
Marathon Petroleum Co LLC								
Garyville .....	141,000	0	0	88,000	0	116,000	0	34,500
Motiva Enterprises LLC								
Convent .....	92,000	0	0	0	52,000	0	40,000	0
Norco .....	118,800	0	0	38,000	0	40,000	0	0
Murphy Oil USA Inc								
Meraux .....	37,000	0	0	32,000	0	32,000	0	18,000
Pelican Refining Company LLC								
Lake Charles .....	0	0	0	0	0	0	0	0

**Table 3. Capacity of Operable Petroleum Refineries by State as of January 1, 2011**  
(Barrels per Stream Day, Except Where Noted)

State/Refiner/Location	Downstream Charge Capacity							
	Desulfurization (incl. Catalytic Hydrotreating)							
	Naphtha/ Reformer Feed	Gasoline	Kerosene/ Jet Fuel	Diesel Fuel	Other Distillate	Residual	Heavy Gas Oil	Other
<b>Indiana</b> .....	<b>82,000</b>	<b>6,500</b>	<b>54,500</b>	<b>134,700</b>	<b>0</b>	<b>0</b>	<b>103,100</b>	<b>0</b>
BP Products North America Inc Whiting .....	72,000	0	54,500	123,700	0	0	103,100	0
Countrymark Cooperative Inc Mount Vernon .....	10,000	6,500	0	11,000	0	0	0	0
<b>Kansas</b> .....	<b>115,500</b>	<b>22,000</b>	<b>19,000</b>	<b>123,200</b>	<b>27,000</b>	<b>0</b>	<b>50,000</b>	<b>0</b>
Coffeyville Resources Rfg & Mktg LLC Coffeyville .....	36,000	22,000	9,000	30,000	27,000	0	0	0
Frontier El Dorado Refining Co El Dorado .....	43,500	0	10,000	52,000	0	0	50,000	0
NCRA McPherson .....	36,000	0	0	41,200	0	0	0	0
<b>Kentucky</b> .....	<b>53,800</b>	<b>0</b>	<b>31,000</b>	<b>77,500</b>	<b>0</b>	<b>0</b>	<b>107,000</b>	<b>0</b>
Marathon Petroleum Co LLC Catlettsburg .....	52,500	0	31,000	77,500	0	0	107,000	0
Somerset Energy Refining LLC Somerset .....	1,300	0	0	0	0	0	0	0
<b>Louisiana</b> .....	<b>672,000</b>	<b>620,400</b>	<b>215,900</b>	<b>748,000</b>	<b>114,400</b>	<b>12,500</b>	<b>292,900</b>	<b>124,500</b>
Alon Refining Krotz Springs Inc Krotz Springs .....	14,000	18,000	0	0	0	0	0	0
Calcasieu Refining Co Lake Charles .....	0	0	0	0	0	0	0	0
Calumet Lubricants Co LP Cotton Valley .....	6,200	0	0	0	0	0	0	0
Princeton .....	0	0	0	0	0	0	0	0
Calumet Shreveport LLC Shreveport .....	16,000	0	0	0	14,000	0	21,100	1,200
Chalmette Refining LLC Chalmette .....	20,000	44,000	0	28,000	0	0	64,800	0
Citgo Petroleum Corp Lake Charles .....	127,000	77,000	63,800	91,900	0	0	0	0
ConocoPhillips Company Belle Chasse .....	48,300	53,000	0	70,100	0	0	0	0
Westlake .....	50,000	32,000	24,000	64,000	0	12,500	49,000	0
Excel Paralubes Westlake .....	0	0	0	0	0	0	0	0
ExxonMobil Refining & Supply Co Baton Rouge .....	78,000	136,000	0	176,000	0	0	0	123,300
Marathon Petroleum Co LLC Garyville .....	96,000	105,000	58,500	126,000	0	0	106,000	0
Motiva Enterprises LLC Convent .....	98,000	0	39,800	70,000	0	0	40,000	0
Norco .....	38,500	77,000	0	70,000	0	0	0	0
Murphy Oil USA Inc Meraux .....	35,000	0	18,000	34,000	0	0	12,000	0
Pelican Refining Company LLC Lake Charles .....	0	0	0	0	0	0	0	0

**Table 3. Capacity of Operable Petroleum Refineries by State as of January 1, 2011**

(Barrels per Stream Day, Except Where Noted)

State/Refiner/Location	Atmospheric Crude Oil Distillation Capacity				Downstream Charge Capacity				
	Barrels per Calendar Day		Barrels per Stream Day		Vacuum Distillation	Thermal Cracking			Other/Gas Oil
	Operating	Idle	Operating	Idle		Delayed Coking	Fluid Coking	Visbreaking	
<b>Louisiana</b> .....	<b>3,164,520</b>	<b>55,000</b>	<b>3,332,355</b>	<b>56,000</b>	<b>1,648,500</b>	<b>534,700</b>	<b>0</b>	<b>0</b>	<b>10,600</b>
Placid Refining Co									
Port Allen	57,000	0	59,000	0	27,000	0	0	0	0
Shell Chemical LP									
Saint Rose	0	55,000	0	56,000	28,000	0	0	0	0
Valero Refining New Orleans LLC									
Norco	205,000	0	210,000	0	156,400	77,000	0	0	0
<b>Michigan</b> .....	<b>106,000</b>	<b>0</b>	<b>114,000</b>	<b>0</b>	<b>55,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Marathon Petroleum Co LLC									
Detroit	106,000	0	114,000	0	55,000	0	0	0	0
<b>Minnesota</b> .....	<b>336,000</b>	<b>0</b>	<b>404,500</b>	<b>0</b>	<b>218,500</b>	<b>67,000</b>	<b>0</b>	<b>0</b>	<b>0</b>
Flint Hills Resources LP									
Saint Paul	262,000	0	320,000	0	175,000	67,000	0	0	0
St Paul Park Refining Co LLC									
Saint Paul	74,000	0	84,500	0	43,500	0	0	0	0
<b>Mississippi</b> .....	<b>364,000</b>	<b>0</b>	<b>397,500</b>	<b>0</b>	<b>338,875</b>	<b>105,000</b>	<b>0</b>	<b>0</b>	<b>0</b>
Chevron USA Inc									
Pascagoula	330,000	0	360,000	0	314,000	105,000	0	0	0
Ergon Refining Inc									
Vicksburg	23,000	0	25,000	0	18,000	0	0	0	0
Hunt Southland Refining Co									
Sandersville	11,000	0	12,500	0	6,875	0	0	0	0
<b>Montana</b> .....	<b>187,600</b>	<b>0</b>	<b>195,800</b>	<b>0</b>	<b>99,300</b>	<b>36,700</b>	<b>10,400</b>	<b>0</b>	<b>0</b>
Cenex Harvest States Coop									
Laurel	59,600	0	61,100	0	29,000	15,000	0	0	0
ConocoPhillips Company									
Billings	58,000	0	62,000	0	36,400	21,700	0	0	0
ExxonMobil Refining & Supply Co									
Billings	60,000	0	62,200	0	28,900	0	10,400	0	0
Montana Refining Co									
Great Falls	10,000	0	10,500	0	5,000	0	0	0	0
<b>Nevada</b> .....	<b>2,000</b>	<b>0</b>	<b>5,000</b>	<b>0</b>	<b>5,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Foreland Refining Corp									
Ely	2,000	0	5,000	0	5,000	0	0	0	0
<b>New Jersey</b> .....	<b>398,000</b>	<b>150,000</b>	<b>416,000</b>	<b>158,000</b>	<b>244,000</b>	<b>27,000</b>	<b>0</b>	<b>0</b>	<b>0</b>
Chevron USA Inc									
Perth Amboy	0	80,000	0	83,000	47,000	0	0	0	0
ConocoPhillips Company									
Linden	238,000	0	250,000	0	75,000	0	0	0	0
Hess Corporation									
Port Reading	0	0	0	0	0	0	0	0	0
Nustar Asphalt Refining LLC									
Paulsboro	0	70,000	0	75,000	32,000	0	0	0	0
Paulsboro Refining Co LLC									
Paulsboro	160,000	0	166,000	0	90,000	27,000	0	0	0

**Table 3. Capacity of Operable Petroleum Refineries by State as of January 1, 2011**

(Barrels per Stream Day, Except Where Noted)

State/Refiner/Location	Downstream Charge Capacity							
	Catalytic Cracking		Catalytic Hydrocracking			Catalytic Reforming		Fuels Solvent Deasphalting
	Fresh	Recycled	Distillate	Gas Oil	Residual	Low Pressure	High Pressure	
<b>Louisiana</b>	<b>1,162,200</b>	<b>13,500</b>	<b>27,000</b>	<b>243,500</b>	<b>52,000</b>	<b>432,000</b>	<b>149,600</b>	<b>63,500</b>
Placid Refining Co								
Port Allen	25,000	500	0	0	0	11,000	0	11,000
Shell Chemical LP								
Saint Rose	0	0	0	0	0	0	0	0
Valero Refining New Orleans LLC								
Norco	98,800	8,000	0	0	0	27,500	0	0
<b>Michigan</b>	<b>32,500</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>21,500</b>	<b>0</b>	<b>0</b>
Marathon Petroleum Co LLC								
Detroit	32,500	0	0	0	0	21,500	0	0
<b>Minnesota</b>	<b>115,500</b>	<b>0</b>	<b>44,000</b>	<b>0</b>	<b>0</b>	<b>36,000</b>	<b>33,300</b>	<b>0</b>
Flint Hills Resources LP								
Saint Paul	87,000	0	44,000	0	0	36,000	13,800	0
St Paul Park Refining Co LLC								
Saint Paul	28,500	0	0	0	0	0	19,500	0
<b>Mississippi</b>	<b>88,000</b>	<b>0</b>	<b>0</b>	<b>74,000</b>	<b>0</b>	<b>61,600</b>	<b>34,000</b>	<b>0</b>
Chevron USA Inc								
Pascagoula	88,000	0	0	74,000	0	61,600	34,000	0
Ergon Refining Inc								
Vicksburg	0	0	0	0	0	0	0	0
Hunt Southland Refining Co								
Sandersville	0	0	0	0	0	0	0	0
<b>Montana</b>	<b>60,000</b>	<b>990</b>	<b>6,200</b>	<b>0</b>	<b>0</b>	<b>12,000</b>	<b>27,050</b>	<b>0</b>
Cenex Harvest States Coop								
Laurel	16,500	0	0	0	0	12,000	0	0
ConocoPhillips Company								
Billings	21,500	990	0	0	0	0	13,550	0
ExxonMobil Refining & Supply Co								
Billings	19,000	0	6,200	0	0	0	12,500	0
Montana Refining Co								
Great Falls	3,000	0	0	0	0	0	1,000	0
<b>Nevada</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Foreland Refining Corp								
Ely	0	0	0	0	0	0	0	0
<b>New Jersey</b>	<b>275,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>62,000</b>	<b>0</b>	<b>20,000</b>
Chevron USA Inc								
Perth Amboy	0	0	0	0	0	0	0	0
ConocoPhillips Company								
Linden	150,000	0	0	0	0	32,000	0	20,000
Hess Corporation								
Port Reading	70,000	0	0	0	0	0	0	0
Nustar Asphalt Refining LLC								
Paulsboro	0	0	0	0	0	0	0	0
Paulsboro Refining Co LLC								
Paulsboro	55,000	0	0	0	0	30,000	0	0

**Table 3. Capacity of Operable Petroleum Refineries by State as of January 1, 2011**  
(Barrels per Stream Day, Except Where Noted)

State/Refiner/Location	Downstream Charge Capacity							
	Desulfurization (incl. Catalytic Hydrotreating)							
	Naphtha/ Reformer Feed	Gasoline	Kerosene/ Jet Fuel	Diesel Fuel	Other Distillate	Residual	Heavy Gas Oil	Other
<b>Louisiana</b>	<b>672,000</b>	<b>620,400</b>	<b>215,900</b>	<b>748,000</b>	<b>114,400</b>	<b>12,500</b>	<b>292,900</b>	<b>124,500</b>
Placid Refining Co Port Allen	11,000	20,000	0	18,000	0	0	0	0
Shell Chemical LP Saint Rose	0	0	0	0	0	0	0	0
Valero Refining New Orleans LLC Norco	34,000	58,400	11,800	0	100,400	0	0	0
<b>Michigan</b>	<b>30,000</b>	<b>0</b>	<b>7,000</b>	<b>30,500</b>	<b>0</b>	<b>0</b>	<b>35,000</b>	<b>0</b>
Marathon Petroleum Co LLC Detroit	30,000	0	7,000	30,500	0	0	35,000	0
<b>Minnesota</b>	<b>70,300</b>	<b>49,700</b>	<b>51,000</b>	<b>80,500</b>	<b>7,000</b>	<b>0</b>	<b>144,500</b>	<b>0</b>
Flint Hills Resources LP Saint Paul	49,800	49,700	43,500	58,000	7,000	0	115,000	0
St Paul Park Refining Co LLC Saint Paul	20,500	0	7,500	22,500	0	0	29,500	0
<b>Mississippi</b>	<b>57,300</b>	<b>0</b>	<b>30,000</b>	<b>37,200</b>	<b>0</b>	<b>0</b>	<b>100,000</b>	<b>70,800</b>
Chevron USA Inc Pascagoula	57,300	0	30,000	35,000	0	0	100,000	50,000
Ergon Refining Inc Vicksburg	0	0	0	2,200	0	0	0	20,800
Hunt Southland Refining Co Sandersville	0	0	0	0	0	0	0	0
<b>Montana</b>	<b>44,050</b>	<b>25,200</b>	<b>13,400</b>	<b>41,000</b>	<b>24,000</b>	<b>0</b>	<b>49,260</b>	<b>7,900</b>
Genex Harvest States Coop Laurel	15,500	0	0	0	24,000	0	20,000	0
ConocoPhillips Company Billings	13,550	6,000	5,800	29,000	0	0	25,760	0
ExxonMobil Refining & Supply Co Billings	13,900	19,200	6,600	10,000	0	0	0	7,900
Montana Refining Co Great Falls	1,100	0	1,000	2,000	0	0	3,500	0
<b>Nevada</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Foreland Refining Corp Ely	0	0	0	0	0	0	0	0
<b>New Jersey</b>	<b>129,500</b>	<b>62,000</b>	<b>28,500</b>	<b>154,000</b>	<b>17,500</b>	<b>0</b>	<b>0</b>	<b>18,000</b>
Chevron USA Inc Perth Amboy	0	0	0	0	0	0	0	0
ConocoPhillips Company Linden	97,500	0	0	108,000	17,500	0	0	0
Hess Corporation Port Reading	0	27,000	0	0	0	0	0	18,000
Nustar Asphalt Refining LLC Paulsboro	0	0	0	0	0	0	0	0
Paulsboro Refining Co LLC Paulsboro	32,000	35,000	28,500	46,000	0	0	0	0

**Table 3. Capacity of Operable Petroleum Refineries by State as of January 1, 2011**

(Barrels per Stream Day, Except Where Noted)

State/Refiner/Location	Atmospheric Crude Oil Distillation Capacity				Downstream Charge Capacity				
	Barrels per Calendar Day		Barrels per Stream Day		Vacuum Distillation	Thermal Cracking			
	Operating	Idle	Operating	Idle		Delayed Coking	Fluid Coking	Visbreaking	Other/Gas Oil
<b>New Mexico</b> .....	<b>126,100</b>	<b>16,800</b>	<b>138,000</b>	<b>18,107</b>	<b>29,600</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Navajo Refining Co									
Artesia	105,000	0	115,000	0	29,600	0	0	0	0
Western Refining Southwest Inc									
Bloomfield	0	16,800	0	18,107	0	0	0	0	0
Gallup	21,100	0	23,000	0	0	0	0	0	0
<b>North Dakota</b> .....	<b>58,000</b>	<b>0</b>	<b>60,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Tesoro West Coast									
Mandan	58,000	0	60,000	0	0	0	0	0	0
<b>Ohio</b> .....	<b>524,400</b>	<b>0</b>	<b>589,500</b>	<b>0</b>	<b>158,500</b>	<b>58,000</b>	<b>0</b>	<b>0</b>	<b>0</b>
BP-Husky Refining LLC									
Toledo	131,400	0	160,000	0	71,500	35,000	0	0	0
Lima Refining Company									
Lima	155,000	0	170,000	0	52,000	23,000	0	0	0
Marathon Petroleum Co LLC									
Canton	78,000	0	84,500	0	35,000	0	0	0	0
Sunoco Inc									
Toledo	160,000	0	175,000	0	0	0	0	0	0
<b>Oklahoma</b> .....	<b>508,700</b>	<b>12,000</b>	<b>540,627</b>	<b>14,000</b>	<b>208,612</b>	<b>37,776</b>	<b>0</b>	<b>0</b>	<b>0</b>
ConocoPhillips Company									
Ponca City	198,400	0	213,162	0	87,612	26,776	0	0	0
Holly Refining & Marketing Co									
Tulsa East	70,300	0	75,465	0	27,000	0	0	0	0
Tulsa West	85,000	0	90,000	0	32,000	11,000	0	0	0
Valero Refining Co Oklahoma									
Ardmore	85,000	0	87,000	0	32,000	0	0	0	0
Ventura Refining & Transmission LLC									
Thomas	0	12,000	0	14,000	0	0	0	0	0
Wynnewood Refining Co									
Wynnewood	70,000	0	75,000	0	30,000	0	0	0	0
<b>Pennsylvania</b> .....	<b>773,000</b>	<b>0</b>	<b>819,500</b>	<b>0</b>	<b>276,200</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
American Refining Group Inc									
Bradford	10,000	0	10,500	0	0	0	0	0	0
ConocoPhillips Company									
Trainer	185,000	0	190,000	0	73,000	0	0	0	0
Sunoco Inc									
Marcus Hook	178,000	0	194,000	0	0	0	0	0	0
Sunoco Inc (R&M)									
Philadelphia	335,000	0	355,000	0	163,200	0	0	0	0
United Refining Co									
Warren	65,000	0	70,000	0	40,000	0	0	0	0
<b>Tennessee</b> .....	<b>180,000</b>	<b>0</b>	<b>190,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Premcor Refining Group Inc									
Memphis	180,000	0	190,000	0	0	0	0	0	0

**Table 3. Capacity of Operable Petroleum Refineries by State as of January 1, 2011**

(Barrels per Stream Day, Except Where Noted)

State/Refiner/Location	Downstream Charge Capacity							
	Catalytic Cracking		Catalytic Hydrocracking			Catalytic Reforming		Fuels Solvent Deasphalting
	Fresh	Recycled	Distillate	Gas Oil	Residual	Low Pressure	High Pressure	
<b>New Mexico</b>	<b>41,500</b>	<b>3,500</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>24,000</b>	<b>12,300</b>	<b>0</b>
Navajo Refining Co								
Artesia	27,000	0	0	0	0	24,000	0	0
Western Refining Southwest Inc								
Bloomfield	6,000	500	0	0	0	0	5,000	0
Gallup	8,500	3,000	0	0	0	0	7,300	0
<b>North Dakota</b>	<b>27,000</b>	<b>3,600</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>12,500</b>	<b>0</b>
Tesoro West Coast								
Mandan	27,000	3,600	0	0	0	0	12,500	0
<b>Ohio</b>	<b>200,000</b>	<b>0</b>	<b>0</b>	<b>102,000</b>	<b>0</b>	<b>21,500</b>	<b>146,000</b>	<b>0</b>
BP-Husky Refining LLC								
Toledo	55,000	0	0	31,000	0	0	43,000	0
Lima Refining Company								
Lima	40,000	0	0	26,000	0	0	55,000	0
Marathon Petroleum Co LLC								
Canton	26,000	0	0	0	0	21,500	0	0
Sunoco Inc								
Toledo	79,000	0	0	45,000	0	0	48,000	0
<b>Oklahoma</b>	<b>145,010</b>	<b>2,250</b>	<b>30,000</b>	<b>0</b>	<b>0</b>	<b>61,000</b>	<b>77,373</b>	<b>4,850</b>
ConocoPhillips Company								
Ponca City	69,801	0	0	0	0	0	53,373	0
Holly Refining & Marketing Co								
Tulsa East	24,209	2,250	0	0	0	22,000	0	0
Tulsa West	0	0	0	0	0	0	24,000	0
Valero Refining Co Oklahoma								
Ardmore	30,000	0	14,000	0	0	20,500	0	0
Ventura Refining & Transmission LLC								
Thomas	0	0	0	0	0	0	0	0
Wynnewood Refining Co								
Wynnewood	21,000	0	16,000	0	0	18,500	0	4,850
<b>Pennsylvania</b>	<b>324,500</b>	<b>1,000</b>	<b>0</b>	<b>0</b>	<b>23,000</b>	<b>50,000</b>	<b>121,800</b>	<b>0</b>
American Refining Group Inc								
Bradford	0	0	0	0	0	0	1,800	0
ConocoPhillips Company								
Trainer	53,000	0	0	0	23,000	50,000	0	0
Sunoco Inc								
Marcus Hook	108,000	0	0	0	0	0	20,000	0
Sunoco Inc (R&M)								
Philadelphia	138,500	0	0	0	0	0	86,000	0
United Refining Co								
Warren	25,000	1,000	0	0	0	0	14,000	0
<b>Tennessee</b>	<b>70,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>36,000</b>	<b>0</b>	<b>0</b>
Premcor Refining Group Inc								
Memphis	70,000	0	0	0	0	36,000	0	0

**Table 3. Capacity of Operable Petroleum Refineries by State as of January 1, 2011**  
(Barrels per Stream Day, Except Where Noted)

State/Refiner/Location	Downstream Charge Capacity							
	Desulfurization (incl. Catalytic Hydrotreating)							
	Naphtha/ Reformer Feed	Gasoline	Kerosene/ Jet Fuel	Diesel Fuel	Other Distillate	Residual	Heavy Gas Oil	Other
<b>New Mexico</b>	<b>48,300</b>	<b>0</b>	<b>12,000</b>	<b>47,000</b>	<b>0</b>	<b>0</b>	<b>51,000</b>	<b>0</b>
Navajo Refining Co								
Artesia	36,000	0	12,000	41,000	0	0	51,000	0
Western Refining Southwest Inc								
Bloomfield	5,000	0	0	3,000	0	0	0	0
Gallup	7,300	0	0	3,000	0	0	0	0
<b>North Dakota</b>	<b>13,600</b>	<b>4,300</b>	<b>0</b>	<b>17,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Tesoro West Coast								
Mandan	13,600	4,300	0	17,000	0	0	0	0
<b>Ohio</b>	<b>169,000</b>	<b>100,000</b>	<b>41,000</b>	<b>76,500</b>	<b>0</b>	<b>0</b>	<b>74,000</b>	<b>0</b>
BP-Husky Refining LLC								
Toledo	40,000	0	0	20,500	0	0	47,000	0
Lima Refining Company								
Lima	63,000	35,000	0	36,000	0	0	0	0
Marathon Petroleum Co LLC								
Canton	26,500	0	11,000	20,000	0	0	27,000	0
Sunoco Inc								
Toledo	39,500	65,000	30,000	0	0	0	0	0
<b>Oklahoma</b>	<b>142,873</b>	<b>69,282</b>	<b>18,500</b>	<b>104,981</b>	<b>32,985</b>	<b>0</b>	<b>58,338</b>	<b>35,548</b>
ConocoPhillips Company								
Ponca City	53,373	47,282	18,500	31,981	32,985	0	23,888	13,948
Holly Refining & Marketing Co								
Tulsa East	20,000	22,000	0	24,000	0	0	0	0
Tulsa West	28,000	0	0	0	0	0	0	21,600
Valero Refining Co Oklahoma								
Ardmore	27,000	0	0	32,000	0	0	34,450	0
Ventura Refining & Transmission LLC								
Thomas	0	0	0	0	0	0	0	0
Wynnewood Refining Co								
Wynnewood	14,500	0	0	17,000	0	0	0	0
<b>Pennsylvania</b>	<b>237,700</b>	<b>135,000</b>	<b>28,300</b>	<b>44,300</b>	<b>207,200</b>	<b>0</b>	<b>40,000</b>	<b>0</b>
American Refining Group Inc								
Bradford	3,600	0	0	0	0	0	0	0
ConocoPhillips Company								
Trainer	77,100	0	23,300	27,300	4,200	0	40,000	0
Sunoco Inc								
Marcus Hook	45,000	65,000	0	0	40,000	0	0	0
Sunoco Inc (R&M)								
Philadelphia	88,000	65,000	0	0	163,000	0	0	0
United Refining Co								
Warren	24,000	5,000	5,000	17,000	0	0	0	0
<b>Tennessee</b>	<b>52,000</b>	<b>39,000</b>	<b>0</b>	<b>73,600</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Premcor Refining Group Inc								
Memphis	52,000	39,000	0	73,600	0	0	0	0

**Table 3. Capacity of Operable Petroleum Refineries by State as of January 1, 2011**

(Barrels per Stream Day, Except Where Noted)

State/Refiner/Location	Atmospheric Crude Oil Distillation Capacity				Downstream Charge Capacity				
	Barrels per Calendar Day		Barrels per Stream Day		Vacuum Distillation	Thermal Cracking			Other/Gas Oil
	Operating	Idle	Operating	Idle		Delayed Coking	Fluid Coking	Visbreaking	
<b>Texas .....</b>	<b>4,658,699</b>	<b>58,500</b>	<b>5,041,400</b>	<b>65,000</b>	<b>2,384,900</b>	<b>743,100</b>	<b>42,000</b>	<b>0</b>	<b>0</b>
Age Refining Inc									
San Antonio	14,021	0	14,500	0	0	0	0	0	0
Alon USA Energy Inc									
Big Spring	67,000	0	70,000	0	24,000	0	0	0	0
BP Products North America Inc									
Texas City	406,570	0	475,000	0	237,000	43,000	0	0	0
Citgo Refining & Chemical Inc									
Corpus Christi	163,000	0	165,000	0	84,000	45,000	0	0	0
ConocoPhillips Company									
Sweeny	247,000	0	260,000	0	132,100	78,700	0	0	0
Deer Park Refining LTD Partnership									
Deer Park	327,000	0	340,000	0	180,000	90,000	0	0	0
Delek Refining LTD									
Tyler	60,000	0	65,000	0	15,000	6,500	0	0	0
Equistar Chemicals LP									
Channelview	0	0	0	0	0	0	0	0	0
ExxonMobil Refining & Supply Co									
Baytown	560,640	0	584,000	0	297,000	54,000	42,000	0	0
Beaumont	344,500	0	359,100	0	148,800	48,000	0	0	0
Flint Hills Resources LP									
Corpus Christi	290,078	0	305,000	0	87,500	13,300	0	0	0
Houston Refining LP									
Houston	280,390	0	302,300	0	202,000	97,500	0	0	0
Marathon Petroleum Co LLC									
Texas City	76,000	0	83,000	0	0	0	0	0	0
Motiva Enterprises LLC									
Port Arthur	285,000	0	300,000	0	147,000	58,000	0	0	0
Pasadena Refining Systems Inc									
Pasadena	100,000	0	106,500	0	38,000	12,500	0	0	0
Premcor Refining Group Inc									
Port Arthur	292,000	0	415,000	0	219,000	99,700	0	0	0
South Hampton Resources Inc									
Silsbee	0	0	0	0	0	0	0	0	0
Total Petrochemicals Inc									
Port Arthur	173,500	58,500	175,000	65,000	54,000	0	0	0	0
Trigeant LTD									
Corpus Christi	0	0	0	0	29,000	0	0	0	0
Valero Energy Corporation									
Sunray	156,000	0	176,000	0	50,000	0	0	0	0
Three Rivers	93,000	0	95,000	0	35,000	0	0	0	0
Valero Refining Co Texas LP									
Corpus Christi	142,000	0	146,000	0	97,000	17,000	0	0	0
Houston	88,000	0	90,000	0	38,000	0	0	0	0
Texas City	225,000	0	233,000	0	142,500	52,000	0	0	0
Western Refining Company LP									
El Paso	122,000	0	128,000	0	48,000	0	0	0	0
WRB Refining LLC									
Berger	146,000	0	154,000	0	80,000	27,900	0	0	0

**Table 3. Capacity of Operable Petroleum Refineries by State as of January 1, 2011**

(Barrels per Stream Day, Except Where Noted)

State/Refiner/Location	Downstream Charge Capacity							
	Catalytic Cracking		Catalytic Hydrocracking			Catalytic Reforming		Fuels Solvent Deasphalting
	Fresh	Recycled	Distillate	Gas Oil	Residual	Low Pressure	High Pressure	
<b>Texas</b> .....	<b>1,801,705</b>	<b>33,000</b>	<b>229,600</b>	<b>207,500</b>	<b>70,000</b>	<b>804,600</b>	<b>190,690</b>	<b>172,000</b>
Age Refining Inc								
San Antonio .....	0	0	0	0	0	0	6,000	0
Alon USA Energy Inc								
Big Spring .....	25,000	0	0	0	0	21,000	0	10,000
BP Products North America Inc								
Texas City .....	182,000	8,000	60,000	0	70,000	63,000	75,000	17,000
Citgo Refining & Chemical Inc								
Corpus Christi .....	82,800	0	0	0	0	51,500	0	0
ConocoPhillips Company								
Sweeny .....	107,700	12,000	0	0	0	37,500	0	0
Deer Park Refining LTD Partnership								
Deer Park .....	70,000	5,000	0	60,000	0	44,000	25,000	0
Delek Refining LTD								
Tyler .....	20,250	0	0	0	0	13,000	4,500	0
Equistar Chemicals LP								
Channelview .....	0	0	0	0	0	0	0	0
ExxonMobil Refining & Supply Co								
Baytown .....	215,000	8,000	29,000	0	0	123,500	0	49,000
Beaumont .....	117,700	0	65,000	0	0	146,000	0	0
Flint Hills Resources LP								
Corpus Christi .....	106,700	0	13,000	0	0	0	0	0
Houston Refining LP								
Houston .....	105,000	0	0	0	0	0	0	0
Marathon Petroleum Co LLC								
Texas City .....	58,500	0	0	0	0	0	10,500	0
Motiva Enterprises LLC								
Port Arthur .....	90,000	0	0	0	0	48,000	0	0
Pasadena Refining Systems Inc								
Pasadena .....	56,000	0	0	0	0	23,000	0	0
Premcor Refining Group Inc								
Port Arthur .....	75,000	0	0	45,000	0	55,000	0	0
South Hampton Resources Inc								
Silsbee .....	0	0	0	0	0	2,000	0	0
Total Petrochemicals Inc								
Port Arthur .....	80,000	0	0	0	0	39,600	0	19,500
Trigeant LTD								
Corpus Christi .....	0	0	0	0	0	0	0	0
Valero Energy Corporation								
Sunray .....	55,555	0	0	27,000	0	29,000	18,000	14,500
Three Rivers .....	24,000	0	0	26,000	0	23,500	10,000	10,000
Valero Refining Co Texas LP								
Corpus Christi .....	95,000	0	0	49,500	0	39,000	10,000	0
Houston .....	65,000	0	62,600	0	0	0	0	18,000
Texas City .....	82,000	0	0	0	0	18,000	0	34,000
Western Refining Company LP								
El Paso .....	32,500	0	0	0	0	28,000	0	0
WRB Refining LLC								
Borger .....	56,000	0	0	0	0	0	31,690	0

**Table 3. Capacity of Operable Petroleum Refineries by State as of January 1, 2011**  
(Barrels per Stream Day, Except Where Noted)

State/Refiner/Location	Downstream Charge Capacity							
	Desulfurization (incl. Catalytic Hydrotreating)							
	Naphtha/ Reformer Feed	Gasoline	Kerosene/ Jet Fuel	Diesel Fuel	Other Distillate	Residual	Heavy Gas Oil	Other
<b>Texas</b> .....	<b>1,245,450</b>	<b>936,100</b>	<b>584,700</b>	<b>1,149,530</b>	<b>61,000</b>	<b>228,500</b>	<b>907,200</b>	<b>162,500</b>
Age Refining Inc								
San Antonio .....	6,000	0	0	6,000	0	0	0	0
Alon USA Energy Inc								
Big Spring .....	25,500	0	5,000	23,000	0	0	6,500	0
BP Products North America Inc								
Texas City .....	114,000	56,500	79,000	59,000	0	0	105,000	41,000
Citgo Refining & Chemical Inc								
Corpus Christi .....	52,700	34,000	0	77,500	0	0	70,000	0
ConocoPhillips Company								
Sweeny .....	67,300	8,700	0	135,600	0	0	107,000	0
Deer Park Refining LTD Partnership								
Deer Park .....	75,000	42,000	40,000	0	45,000	49,500	80,000	43,000
Delek Refining LTD								
Tyler .....	20,000	13,000	0	20,000	0	0	0	0
Equistar Chemicals LP								
Channelview .....	0	0	0	0	0	0	0	0
ExxonMobil Refining & Supply Co								
Baytown .....	155,500	196,000	132,700	135,000	0	0	116,000	39,800
Beaumont .....	159,800	25,000	51,000	36,300	0	0	0	24,000
Flint Hills Resources LP								
Corpus Christi .....	82,600	45,000	32,000	54,000	0	0	53,000	0
Houston Refining LP								
Houston .....	44,000	87,500	43,500	91,000	0	0	105,500	5,200
Marathon Petroleum Co LLC								
Texas City .....	0	0	0	0	0	0	0	0
Motiva Enterprises LLC								
Port Arthur .....	48,000	67,000	42,000	93,000	0	0	24,000	0
Pasadena Refining Systems Inc								
Pasadena .....	28,000	34,000	0	0	16,000	0	0	0
Premcor Refining Group Inc								
Port Arthur .....	50,000	84,000	33,000	104,000	0	0	62,000	0
South Hampton Resources Inc								
Silsbee .....	7,000	0	0	0	0	0	0	4,000
Total Petrochemicals Inc								
Port Arthur .....	55,500	51,600	31,000	64,000	0	0	53,200	0
Trigeant LTD								
Corpus Christi .....	0	0	0	0	0	0	0	0
Valero Energy Corporation								
Sunray .....	43,000	39,600	0	45,000	0	0	0	0
Three Rivers .....	24,000	0	10,000	25,000	0	0	20,000	0
Valero Refining Co Texas LP								
Corpus Christi .....	64,000	60,000	11,000	55,000	0	74,000	28,000	0
Houston .....	9,000	30,300	12,000	0	0	0	0	0
Texas City .....	18,000	55,000	37,000	52,000	0	105,000	0	5,500
Western Refining Company LP								
El Paso .....	27,500	6,900	17,000	38,000	0	0	0	0
WRB Refining LLC								
Borger .....	69,050	0	8,500	36,130	0	0	77,000	0

**Table 3. Capacity of Operable Petroleum Refineries by State as of January 1, 2011**

(Barrels per Stream Day, Except Where Noted)

State/Refiner/Location	Atmospheric Crude Oil Distillation Capacity				Downstream Charge Capacity				
	Barrels per Calendar Day		Barrels per Stream Day		Vacuum Distillation	Thermal Cracking			Other/Gas Oil
	Operating	Idle	Operating	Idle		Delayed Coking	Fluid Coking	Visbreaking	
<b>Utah</b> .....	<b>167,200</b>	<b>0</b>	<b>176,400</b>	<b>0</b>	<b>32,500</b>	<b>8,500</b>	<b>0</b>	<b>0</b>	<b>0</b>
Big West Oil Co									
North Salt Lake	29,400	0	30,000	0	0	0	0	0	0
Chevron USA Inc									
Salt Lake City	45,000	0	49,000	0	27,500	8,500	0	0	0
Holly Refining & Marketing Co									
Woods Cross	25,050	0	26,400	0	0	0	0	0	0
Silver Eagle Refining									
Woods Cross	10,250	0	11,000	0	5,000	0	0	0	0
Tesoro West Coast									
Salt Lake City	57,500	0	60,000	0	0	0	0	0	0
<b>Virginia</b> .....	<b>0</b>	<b>66,300</b>	<b>0</b>	<b>70,800</b>	<b>44,500</b>	<b>22,000</b>	<b>0</b>	<b>0</b>	<b>0</b>
Western Refining Yorktown Inc									
Yorktown	0	66,300	0	70,800	44,500	22,000	0	0	0
<b>Washington</b> .....	<b>628,800</b>	<b>0</b>	<b>654,000</b>	<b>0</b>	<b>286,800</b>	<b>83,300</b>	<b>0</b>	<b>0</b>	<b>0</b>
BP West Coast Products LLC									
Ferndale	225,000	0	234,000	0	106,000	58,000	0	0	0
ConocoPhillips Company									
Ferndale	100,000	0	107,500	0	48,800	0	0	0	0
Shell Oil Products US									
Anacortes	145,000	0	147,500	0	65,800	25,300	0	0	0
Tesoro West Coast									
Anacortes	120,000	0	125,000	0	47,000	0	0	0	0
US Oil & Refining Co									
Tacoma	38,800	0	40,000	0	19,200	0	0	0	0
<b>West Virginia</b> .....	<b>20,000</b>	<b>0</b>	<b>22,000</b>	<b>0</b>	<b>8,600</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Ergon West Virginia Inc									
Newell	20,000	0	22,000	0	8,600	0	0	0	0
<b>Wisconsin</b> .....	<b>34,300</b>	<b>0</b>	<b>38,000</b>	<b>0</b>	<b>20,500</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Murphy Oil USA Inc									
Superior	34,300	0	38,000	0	20,500	0	0	0	0
<b>Wyoming</b> .....	<b>162,500</b>	<b>3,600</b>	<b>180,000</b>	<b>4,000</b>	<b>74,800</b>	<b>32,500</b>	<b>0</b>	<b>0</b>	<b>0</b>
Frontier Refining Inc									
Cheyenne	47,000	0	52,000	0	28,000	14,500	0	0	0
Garco Energy LLC									
Douglas	0	3,600	0	4,000	4,000	0	0	0	0
Little America Refining Co									
Evansville	24,500	0	25,500	0	0	0	0	0	0
Silver Eagle Refining									
Evanston	3,000	0	3,300	0	0	0	0	0	0
Sinclair Wyoming Refining Co									
Sinclair	74,000	0	85,000	0	41,000	18,000	0	0	0
Wyoming Refining Co									
New Castle	14,000	0	14,200	0	1,800	0	0	0	0

**Table 3. Capacity of Operable Petroleum Refineries by State as of January 1, 2011**

(Barrels per Stream Day, Except Where Noted)

State/Refiner/Location	Downstream Charge Capacity							
	Catalytic Cracking		Catalytic Hydrocracking			Catalytic Reforming		Fuels Solvent Deasphalting
	Fresh	Recycled	Distillate	Gas Oil	Residual	Low Pressure	High Pressure	
<b>Utah</b> .....	<b>57,400</b>	<b>3,000</b>	<b>0</b>	<b>8,000</b>	<b>0</b>	<b>0</b>	<b>37,300</b>	<b>6,000</b>
Big West Oil Co								
North Salt Lake .....	11,500	0	0	0	0	0	7,300	0
Chevron USA Inc								
Salt Lake City .....	14,000	0	0	0	0	0	8,000	0
Holly Refining & Marketing Co								
Woods Cross .....	8,900	0	0	8,000	0	0	8,400	6,000
Silver Eagle Refining								
Woods Cross .....	0	0	0	0	0	0	2,200	0
Tesoro West Coast								
Salt Lake City .....	23,000	3,000	0	0	0	0	11,400	0
<b>Virginia</b> .....	<b>28,200</b>	<b>2,700</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>11,700</b>	<b>0</b>
Western Refining Yorktown Inc								
Yorktown .....	28,200	2,700	0	0	0	0	11,700	0
<b>Washington</b> .....	<b>146,000</b>	<b>3,000</b>	<b>0</b>	<b>65,000</b>	<b>0</b>	<b>108,400</b>	<b>39,500</b>	<b>30,000</b>
BP West Coast Products LLC								
Ferndale .....	0	0	0	65,000	0	65,000	0	0
ConocoPhillips Company								
Ferndale .....	36,100	0	0	0	0	17,400	0	0
Shell Oil Products US								
Anacortes .....	57,900	0	0	0	0	0	32,700	0
Tesoro West Coast								
Anacortes .....	52,000	3,000	0	0	0	26,000	0	30,000
US Oil & Refining Co								
Tacoma .....	0	0	0	0	0	0	6,800	0
<b>West Virginia</b> .....	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,950</b>	<b>0</b>	<b>0</b>
Ergon West Virginia Inc								
Newell .....	0	0	0	0	0	3,950	0	0
<b>Wisconsin</b> .....	<b>11,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>8,000</b>	<b>0</b>	<b>0</b>
Murphy Oil USA Inc								
Superior .....	11,000	0	0	0	0	8,000	0	0
<b>Wyoming</b> .....	<b>51,806</b>	<b>500</b>	<b>15,600</b>	<b>0</b>	<b>0</b>	<b>14,700</b>	<b>19,350</b>	<b>0</b>
Frontier Refining Inc								
Cheyenne .....	12,000	0	0	0	0	9,200	0	0
Garco Energy LLC								
Douglas .....	0	0	0	0	0	0	0	0
Little America Refining Co								
Evansville .....	11,000	500	0	0	0	5,500	0	0
Silver Eagle Refining								
Evanston .....	0	0	0	0	0	0	2,150	0
Sinclair Wyoming Refining Co								
Sinclair .....	21,806	0	15,600	0	0	0	14,000	0
Wyoming Refining Co								
New Castle .....	7,000	0	0	0	0	0	3,200	0

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	Desulfurization (incl. Catalytic Hydrotreating)							
	Naphtha/ Reformer Feed	Gasoline	Kerosene/ Jet Fuel	Diesel Fuel	Other Distillate	Residual	Heavy Gas Oil	Other
<b>Utah</b> .....	<b>44,100</b>	<b>8,500</b>	<b>2,900</b>	<b>41,700</b>	<b>28,800</b>	<b>0</b>	<b>0</b>	<b>7,200</b>
Big West Oil Co								
North Salt Lake .....	8,900	0	0	9,500	0	0	0	0
Chevron USA Inc								
Salt Lake City .....	8,300	0	0	13,300	18,000	0	0	7,200
Holly Refining & Marketing Co								
Woods Cross .....	12,500	0	2,900	0	10,800	0	0	0
Silver Eagle Refining								
Woods Cross .....	3,000	500	0	3,500	0	0	0	0
Tesoro West Coast								
Salt Lake City .....	11,400	8,000	0	15,400	0	0	0	0
<b>Virginia</b> .....	<b>12,000</b>	<b>30,000</b>	<b>0</b>	<b>12,000</b>	<b>19,500</b>	<b>0</b>	<b>0</b>	<b>0</b>
Western Refining Yorktown Inc								
Yorktown .....	12,000	30,000	0	12,000	19,500	0	0	0
<b>Washington</b> .....	<b>168,500</b>	<b>65,000</b>	<b>31,000</b>	<b>141,200</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
BP West Coast Products LLC								
Ferndale .....	74,000	0	12,000	36,000	0	0	0	0
ConocoPhillips Company								
Ferndale .....	18,200	20,000	0	27,000	0	0	0	0
Shell Oil Products US								
Anacortes .....	32,900	37,400	19,000	41,200	0	0	0	0
Tesoro West Coast								
Anacortes .....	34,000	7,600	0	29,300	0	0	0	0
US Oil & Refining Co								
Tacoma .....	9,400	0	0	7,700	0	0	0	0
<b>West Virginia</b> .....	<b>4,300</b>	<b>0</b>	<b>0</b>	<b>8,000</b>	<b>0</b>	<b>0</b>	<b>6,300</b>	<b>0</b>
Ergon West Virginia Inc								
Newell .....	4,300	0	0	8,000	0	0	6,300	0
<b>Wisconsin</b> .....	<b>11,000</b>	<b>7,500</b>	<b>7,700</b>	<b>6,500</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Murphy Oil USA Inc								
Superior .....	11,000	7,500	7,700	6,500	0	0	0	0
<b>Wyoming</b> .....	<b>39,250</b>	<b>10,000</b>	<b>15,000</b>	<b>49,000</b>	<b>0</b>	<b>0</b>	<b>20,000</b>	<b>0</b>
Frontier Refining Inc								
Cheyenne .....	10,000	10,000	0	17,500	0	0	0	0
Garco Energy LLC								
Douglas .....	0	0	0	0	0	0	0	0
Little America Refining Co								
Evansville .....	7,200	0	0	9,500	0	0	0	0
Silver Eagle Refining								
Evanston .....	3,250	0	0	0	0	0	0	0
Sinclair Wyoming Refining Co								
Sinclair .....	15,500	0	15,000	16,000	0	0	20,000	0
Wyoming Refining Co								
New Castle .....	3,300	0	0	6,000	0	0	0	0

**Table 3. Capacity of Operable Petroleum Refineries by State as of January 1, 2011**

(Barrels per Stream Day, Except Where Noted)

State/Refiner/Location	Atmospheric Crude Oil Distillation Capacity				Downstream Charge Capacity				
	Barrels per Calendar Day		Barrels per Stream Day		Vacuum Distillation	Thermal Cracking			Other/Gas Oil
	Operating	Idle	Operating	Idle		Delayed Coking	Fluid Coking	Visbreaking	
<b>U.S. Total .....</b>	<b>16,937,024</b>	<b>799,346</b>	<b>18,109,882</b>	<b>843,307</b>	<b>8,650,243</b>	<b>2,486,876</b>	<b>158,900</b>	<b>16,000</b>	<b>10,600</b>
<b>Virgin Islands .....</b>	<b>500,000</b>	<b>0</b>	<b>525,000</b>	<b>0</b>	<b>225,000</b>	<b>62,000</b>	<b>0</b>	<b>40,000</b>	<b>0</b>
Hovensa LLC									
Kingshill	500,000	0	525,000	0	225,000	62,000	0	40,000	0

**Table 3. Capacity of Operable Petroleum Refineries by State as of January 1, 2011**

(Barrels per Stream Day, Except Where Noted)

State/Refiner/Location	Downstream Charge Capacity							
	Catalytic Cracking		Catalytic Hydrocracking			Catalytic Reforming		Fuels Solvent Deasphalting
	Fresh	Recycled	Distillate	Gas Oil	Residual	Low Pressure	High Pressure	
<b>U.S. Total</b> .....	<b>6,219,721</b>	<b>95,640</b>	<b>540,100</b>	<b>1,170,500</b>	<b>145,000</b>	<b>2,390,950</b>	<b>1,329,663</b>	<b>382,750</b>
<b>Virgin Islands</b> .....	<b>149,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>84,000</b>	<b>23,000</b>	<b>0</b>
Hovensa LLC Kingshill .....	149,000	0	0	0	0	84,000	23,000	0

**Table 3. Capacity of Operable Petroleum Refineries by State as of January 1, 2011**  
 (Barrels per Stream Day, Except Where Noted)

State/Refiner/Location	Downstream Charge Capacity							
	Desulfurization (incl. Catalytic Hydrotreating)							
	Naphtha/ Reformer Feed	Gasoline	Kerosene/ Jet Fuel	Diesel Fuel	Other Distillate	Residual	Heavy Gas Oil	Other
<b>U.S. Total</b> .....	<b>4,441,323</b>	<b>2,578,782</b>	<b>1,484,850</b>	<b>3,917,611</b>	<b>711,385</b>	<b>241,000</b>	<b>2,809,298</b>	<b>498,648</b>
<b>Virgin Islands</b> .....	<b>107,000</b>	<b>50,000</b>	<b>65,000</b>	<b>65,000</b>	<b>37,000</b>	<b>0</b>	<b>140,000</b>	<b>39,000</b>
Hovensa LLC Kingshill .....	107,000	50,000	65,000	65,000	37,000	0	140,000	39,000

Note: Refer to Table 5 for corporate ownership information. Some names of previously independent companies have been preserved by acquiring companies.

Source: Energy Information Administration (EIA), Form EIA-820, "Annual Refinery Report."

**Directory of Operable Petroleum Refineries on Tables 3 and 4**

Refiner	State(s) <sup>a</sup>	Refiner	State(s) <sup>a</sup>
Age Refining Inc.....	TX	Marathon Petroleum Co LLC.....	IL, KY, LA, MI, OH, TX
Alon Bakersfield Operating Inc.....	CA	Martin Midstream Partners LP.....	AR
Alon Refining Krotz Springs Inc.....	LA	Montana Refining Co.....	MT
Alon USA Energy Inc.....	TX	Motiva Enterprises LLC.....	LA, TX
American Refining Group Inc.....	PA	Murphy Oil USA Inc.....	LA, WI
BP Exploration Alaska Inc.....	AK	NCRA.....	KS
BP Products North America Inc.....	IN, TX	Navajo Refining Co.....	NM
BP West Coast Products LLC.....	CA, WA	Nustar Asphalt Refining LLC.....	GA, NJ
BP-Husky Refining LLC.....	OH	PDV Midwest Refining LLC.....	IL
Big West Oil Co.....	UT	Paramount Petroleum Corporation.....	CA
Calcasieu Refining Co.....	LA	Pasadena Refining Systems Inc.....	TX
Calumet Lubricants Co LP.....	LA	Paulsboro Refining Co LLC.....	NJ
Calumet Shreveport LLC.....	LA	Pelican Refining Company LLC.....	LA
Cenex Harvest States Coop.....	MT	Petro Star Inc.....	AK
Chalmette Refining LLC.....	LA	Placid Refining Co.....	LA
Chevron USA Inc.....	CA, HI, MS, NJ, UT	Premcor Refining Group Inc.....	TN, TX
Citgo Petroleum Corp.....	LA	San Joaquin Refining Co Inc.....	CA
Citgo Refining & Chemical Inc.....	TX	Shell Chemical LP.....	AL, LA
Coffeyville Resources Rfg & Mktg LLC.....	KS	Shell Oil Products US.....	CA, WA
ConocoPhillips Alaska Inc.....	AK	Silver Eagle Refining.....	UT, WY
ConocoPhillips Company.....	CA, LA, MT, NJ, OK, PA, TX, WA	Sinclair Wyoming Refining Co.....	WY
Countrymark Cooperative Inc.....	IN	Somerset Energy Refining LLC.....	KY
Deer Park Refining LTD Partnership.....	TX	South Hampton Resources Inc.....	TX
Delaware City Refining Co LLC.....	DE	St Paul Park Refining Co LLC.....	MN
Delek Refining LTD.....	TX	Suncor Energy (USA) Inc.....	CO
Equistar Chemicals LP.....	TX	Sunoco Inc.....	OH, PA
Ergon Refining Inc.....	MS	Sunoco Inc (R&M).....	PA
Ergon West Virginia Inc.....	WV	Tenby Inc.....	CA
Excel Paralubes.....	LA	Tesoro Alaska Petroleum Co.....	AK
ExxonMobil Refining & Supply Co.....	CA, IL, LA, MT, TX	Tesoro Hawaii Corp.....	HI
Flint Hills Resources LP.....	AK, MN, TX	Tesoro Refining & Marketing Co.....	CA
Foreland Refining Corp.....	NV	Tesoro West Coast.....	ND, UT, WA
Frontier El Dorado Refining Co.....	KS	Total Petrochemicals Inc.....	TX
Frontier Refining Inc.....	WY	Trigeant LTD.....	TX
Garco Energy LLC.....	WY	US Oil & Refining Co.....	WA
Goodway Refining LLC.....	AL	United Refining Co.....	PA
Greka Energy.....	CA	Valero Energy Corporation.....	TX
Hess Corporation.....	NJ	Valero Refining Co California.....	CA
Holly Refining & Marketing Co.....	OK, UT	Valero Refining Co Oklahoma.....	OK
Houston Refining LP.....	TX	Valero Refining Co Texas LP.....	TX
Hovensa LLC.....	VI	Valero Refining New Orleans LLC.....	LA
Hunt Refining Co.....	AL	Ventura Refining & Transmission LLC.....	OK
Hunt Southland Refining Co.....	MS	WRB Refining LLC.....	IL, TX
Kern Oil & Refining Co.....	CA	Western Refining Company LP.....	TX
Lima Refining Company.....	OH	Western Refining Southwest Inc.....	NM
Lion Oil Co.....	AR	Western Refining Yorktown Inc.....	VA
Little America Refining Co.....	WY	Wynnewood Refining Co.....	OK
Lunday Thagard Co.....	CA	Wyoming Refining Co.....	WY

<sup>a</sup> Includes Puerto Rico (PR) and Virgin Islands (VI).

**Table 4. Production Capacity of Operable Petroleum Refineries by State as of January 1, 2011**

(Barrels per Stream Day, Except Where Noted)

State/Refiner/Location	Alkylates	Aromatics	Asphalt and Road Oil	Isomers			Lubricants	Marketable Petroleum Coke	Hydrogen <sup>a</sup> (MMcfd)	Sulfur (short tons per day)
				Isobutane	Isopentane and Isohexane	Isooctane				
<b>Alabama</b> .....	<b>0</b>	<b>0</b>	<b>15,000</b>	<b>1,200</b>	<b>5,500</b>	<b>0</b>	<b>0</b>	<b>7,120</b>	<b>33</b>	<b>230</b>
Hunt Refining Co										
Tuscaloosa .....	0	0	15,000	0	3,500	0	0	7,120	33	195
Shell Chemical LP										
Saraland .....	0	0	0	1,200	2,000	0	0	0	0	35
<b>Alaska</b> .....	<b>0</b>	<b>2,000</b>	<b>12,000</b>	<b>0</b>	<b>4,500</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>13</b>	<b>27</b>
Flint Hills Resources LP										
North Pole .....	0	2,000	2,000	0	0	0	0	0	0	0
Tesoro Alaska Petroleum Co										
Kenai .....	0	0	10,000	0	4,500	0	0	0	13	27
<b>Arkansas</b> .....	<b>5,000</b>	<b>0</b>	<b>22,000</b>	<b>0</b>	<b>7,500</b>	<b>0</b>	<b>5,000</b>	<b>0</b>	<b>13</b>	<b>157</b>
Lion Oil Co										
El Dorado .....	5,000	0	20,500	0	7,500	0	0	0	10	157
Martin Midstream Partners LP										
Smackover .....	0	0	1,500	0	0	0	5,000	0	3	0
<b>California</b> .....	<b>181,526</b>	<b>1,500</b>	<b>75,433</b>	<b>34,325</b>	<b>114,600</b>	<b>200</b>	<b>39,800</b>	<b>134,700</b>	<b>1,146</b>	<b>4,804</b>
Alon Bakersfield Operating Inc										
Bakersfield .....	0	0	0	300	500	200	0	0	22	70
BP West Coast Products LLC										
Los Angeles .....	17,000	0	0	3,500	23,000	0	0	13,800	105	420
Chevron USA Inc										
El Segundo .....	33,500	0	0	8,500	22,300	0	0	25,500	77	600
Richmond .....	23,426	0	0	7,200	46,000	0	34,000	0	181	789
ConocoPhillips Company										
Rodeo .....	0	0	0	3,800	10,000	0	0	14,500	84	640
Wilmington .....	9,900	0	0	3,100	12,800	0	0	16,800	105	370
ExxonMobil Refining & Supply Co										
Torrance .....	24,200	0	0	0	0	0	0	16,700	146	400
Greka Energy										
Santa Maria .....	0	0	6,000	0	0	0	0	0	0	0
Kern Oil & Refining Co										
Bakersfield .....	0	0	0	0	0	0	0	0	0	11

**Table 4. Production Capacity of Operable Petroleum Refineries by State as of January 1, 2011**

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				Isobutane	Isopentane and Isohexane	Isooctane				
Lunday Thagard Co										
South Gate .....	0	0	5,833	0	0	0	0	0	0	0
Paramount Petroleum Corporation										
Long Beach .....	0	0	15,000	0	0	0	0	0	0	0
(Formerly Edgington Oil Co Inc)										
Paramount .....	0	0	16,500	0	0	0	0	0	0	40
San Joaquin Refining Co Inc										
Bakersfield .....	0	1,500	8,000	0	0	0	5,800	0	4	3
Shell Oil Products US										
Martinez .....	12,000	0	10,000	0	0	0	0	8,600	193	413
Tenby Inc										
Oxnard .....	0	0	1,600	0	0	0	0	0	0	0
Tesoro Refining & Marketing Co										
Martinez .....	15,400	0	0	0	0	0	0	11,000	82	200
Wilmington .....	11,000	0	0	4,125	0	0	0	11,000	12	280
Valero Refining Co California										
Benicia .....	17,100	0	9,000	3,800	0	0	0	6,800	135	303
Wilmington Asphalt Plant .....	0	0	3,500	0	0	0	0	0	0	0
Wilmington Refinery .....	18,000	0	0	0	0	0	0	10,000	0	265
<b>Colorado .....</b>	<b>0</b>	<b>0</b>	<b>12,250</b>	<b>985</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>22</b>	<b>116</b>
Suncor Energy (USA) Inc										
Commerce City East .....	0	0	0	985	0	0	0	0	0	2
Commerce City West .....	0	0	12,250	0	0	0	0	0	22	114
<b>Delaware .....</b>	<b>11,729</b>	<b>5,191</b>	<b>0</b>	<b>6,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>13,620</b>	<b>40</b>	<b>596</b>
Delaware City Refining Co LLC										
Delaware City .....	11,729	5,191	0	6,000	0	0	0	13,620	40	596
<b>Georgia .....</b>	<b>0</b>	<b>0</b>	<b>24,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Nustar Asphalt Refining LLC										
Savannah .....	0	0	24,000	0	0	0	0	0	0	0
<b>Hawaii .....</b>	<b>5,000</b>	<b>0</b>	<b>0</b>	<b>3,200</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>21</b>	<b>38</b>
Chevron USA Inc										
Honolulu .....	5,000	0	0	3,200	0	0	0	0	3	0

**Table 4. Production Capacity of Operable Petroleum Refineries by State as of January 1, 2011**

(Barrels per Stream Day, Except Where Noted)

State/Refiner/Location	Alkylates	Aromatics	Asphalt and Road Oil	Isomers			Lubricants	Marketable Petroleum Coke	Hydrogen <sup>a</sup> (MMcfd)	Sulfur (short tons per day)
				Isobutane	Isopentane and Isohexane	Isooctane				
Tesoro Hawaii Corp										
Ewa Beach .....	0	0	0	0	0	0	0	0	18	38
<b>Illinois .....</b>	<b>83,400</b>	<b>13,500</b>	<b>70,100</b>	<b>0</b>	<b>14,500</b>	<b>0</b>	<b>0</b>	<b>49,095</b>	<b>114</b>	<b>1,819</b>
ExxonMobil Refining & Supply Co										
Joliet .....	28,600	0	15,100	0	0	0	0	18,595	0	683
Marathon Petroleum Co LLC										
Robinson .....	12,500	0	0	0	14,500	0	0	7,500	0	202
PDV Midwest Refining LLC										
Lemont .....	20,500	9,000	0	0	0	0	0	16,500	12	430
WRB Refining LLC										
Wood River .....	21,800	4,500	55,000	0	0	0	0	6,500	102	504
<b>Indiana .....</b>	<b>28,000</b>	<b>16,800</b>	<b>52,900</b>	<b>0</b>	<b>27,700</b>	<b>0</b>	<b>0</b>	<b>10,000</b>	<b>30</b>	<b>584</b>
BP Products North America Inc										
Whiting .....	26,300	16,800	49,200	0	24,700	0	0	10,000	30	575
Countrymark Cooperative Inc										
Mount Vernon .....	1,700	0	3,700	0	3,000	0	0	0	0	9
<b>Kansas .....</b>	<b>30,500</b>	<b>2,200</b>	<b>4,000</b>	<b>3,650</b>	<b>23,500</b>	<b>0</b>	<b>0</b>	<b>18,190</b>	<b>73</b>	<b>690</b>
Coffeyville Resources Rfg & Mktg LLC										
Coffeyville .....	10,000	0	0	0	0	0	0	8,700	0	229
Frontier El Dorado Refining Co										
El Dorado .....	13,500	2,200	4,000	850	12,500	0	0	6,000	39	315
NCRA										
McPherson .....	7,000	0	0	2,800	11,000	0	0	3,490	34	146
<b>Kentucky .....</b>	<b>21,000</b>	<b>2,000</b>	<b>27,000</b>	<b>0</b>	<b>15,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>448</b>
Marathon Petroleum Co LLC										
Catlettsburg .....	21,000	2,000	27,000	0	15,000	0	0	0	0	448
<b>Louisiana .....</b>	<b>219,900</b>	<b>35,300</b>	<b>46,100</b>	<b>46,800</b>	<b>80,420</b>	<b>0</b>	<b>69,000</b>	<b>159,108</b>	<b>157</b>	<b>6,250</b>
Alon Refining Krotz Springs Inc										
Krotz Springs .....	0	0	0	0	6,220	0	0	0	0	0
Calcasieu Refining Co										
Lake Charles .....	0	0	0	3,500	0	0	0	0	0	0

**Table 4. Production Capacity of Operable Petroleum Refineries by State as of January 1, 2011**

(Barrels per Stream Day, Except Where Noted)

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				Isobutane	Isopentane and Isohexane	Isooctane				
Calumet Lubricants Co LP										
Cotton Valley .....	0	0	0	0	500	0	0	0	2	0
Princeton .....	0	0	2,000	0	0	0	7,000	0	5	3
Calumet Shreveport LLC										
Shreveport .....	0	0	6,500	0	0	0	12,500	0	16	40
Chalmette Refining LLC										
Chalmette .....	16,800	5,800	0	8,200	8,200	0	0	9,000	0	935
Citgo Petroleum Corp										
Lake Charles .....	18,500	17,200	0	0	28,000	0	0	30,000	0	640
ConocoPhillips Company										
Belle Chasse .....	38,000	12,300	0	0	0	0	0	5,982	0	115
Westlake .....	8,400	0	0	0	0	0	0	22,500	0	440
Excel Paralubes										
Westlake .....	0	0	0	0	0	0	30,000	0	0	185
ExxonMobil Refining & Supply Co										
Baton Rouge .....	39,700	0	0	0	0	0	19,500	31,525	0	800
Marathon Petroleum Co LLC										
Garyville .....	28,500	0	31,600	23,000	25,000	0	0	29,000	0	1,260
Motiva Enterprises LLC										
Convent .....	16,500	0	0	0	12,500	0	0	0	64	728
Norco .....	16,800	0	0	12,100	0	0	0	7,316	70	169
Murphy Oil USA Inc										
Meraux .....	8,500	0	0	0	0	0	0	0	0	200
Pelican Refining Company LLC										
Lake Charles .....	0	0	6,000	0	0	0	0	0	0	0
Placid Refining Co										
Port Allen .....	7,500	0	0	0	0	0	0	0	0	55
Valero Refining New Orleans LLC										
Norco .....	20,700	0	0	0	0	0	0	23,785	0	680
<b>Michigan .....</b>	<b>5,000</b>	<b>0</b>	<b>22,700</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>146</b>
Marathon Petroleum Co LLC										
Detroit .....	5,000	0	22,700	0	0	0	0	0	0	146
<b>Minnesota .....</b>	<b>18,000</b>	<b>0</b>	<b>58,000</b>	<b>1,000</b>	<b>8,000</b>	<b>0</b>	<b>0</b>	<b>20,900</b>	<b>184</b>	<b>1,264</b>

**Table 4. Production Capacity of Operable Petroleum Refineries by State as of January 1, 2011**

(Barrels per Stream Day, Except Where Noted)

State/Refiner/Location	Alkylates	Aromatics	Asphalt and Road Oil	Isomers			Lubricants	Marketable Petroleum Coke	Hydrogen <sup>a</sup> (MMcfd)	Sulfur (short tons per day)
				Isobutane	Isopentane and Isohexane	Isooctane				
Flint Hills Resources LP										
Saint Paul .....	12,500	0	45,000	0	0	0	0	20,900	176	1,142
St Paul Park Refining Co LLC										
Saint Paul .....	5,500	0	13,000	1,000	8,000	0	0	0	8	122
<b>Mississippi .....</b>	<b>18,600</b>	<b>21,000</b>	<b>36,125</b>	<b>0</b>	<b>0</b>	<b>1,400</b>	<b>23,000</b>	<b>35,500</b>	<b>243</b>	<b>1,300</b>
Chevron USA Inc										
Pascagoula .....	18,600	21,000	20,000	0	0	1,400	0	35,500	230	1,300
Ergon Refining Inc										
Vicksburg .....	0	0	10,000	0	0	0	23,000	0	13	0
Hunt Southland Refining Co										
Sandersville .....	0	0	6,125	0	0	0	0	0	0	0
<b>Montana .....</b>	<b>17,550</b>	<b>0</b>	<b>38,300</b>	<b>5,250</b>	<b>700</b>	<b>0</b>	<b>0</b>	<b>12,775</b>	<b>94</b>	<b>416</b>
Cenex Harvest States Coop										
Laurel .....	4,200	0	19,800	1,250	0	0	0	3,700	30	170
ConocoPhillips Company										
Billings .....	7,250	0	0	4,000	0	0	0	5,075	34	246
ExxonMobil Refining & Supply Co										
Billings .....	5,100	0	14,500	0	0	0	0	4,000	23	0
Montana Refining Co										
Great Falls .....	1,000	0	4,000	0	700	0	0	0	7	0
<b>Nevada .....</b>	<b>0</b>	<b>0</b>	<b>5,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Foreland Refining Corp										
Ely .....	0	0	5,000	0	0	0	0	0	0	0
<b>New Jersey .....</b>	<b>37,200</b>	<b>0</b>	<b>98,500</b>	<b>4,000</b>	<b>0</b>	<b>0</b>	<b>12,000</b>	<b>7,500</b>	<b>31</b>	<b>216</b>
Chevron USA Inc										
Perth Amboy .....	0	0	35,000	0	0	0	0	0	0	0
ConocoPhillips Company										
Linden .....	18,000	0	0	4,000	0	0	0	0	17	0
Hess Corporation										
Port Reading .....	8,000	0	0	0	0	0	0	0	5	10
Nustar Asphalt Refining LLC										
Paulsboro .....	0	0	49,000	0	0	0	0	0	0	0

**Table 4. Production Capacity of Operable Petroleum Refineries by State as of January 1, 2011**

(Barrels per Stream Day, Except Where Noted)

State/Refiner/Location	Alkylates	Aromatics	Asphalt and Road Oil	Isomers			Lubricants	Marketable Petroleum Coke	Hydrogen <sup>a</sup> (MMcfd)	Sulfur (short tons per day)
				Isobutane	Isopentane and Isohexane	Isooctane				
Paulsboro Refining Co LLC										
Paulsboro .....	11,200	0	14,500	0	0	0	12,000	7,500	9	206
<b>New Mexico .....</b>	<b>10,900</b>	<b>0</b>	<b>8,200</b>	<b>433</b>	<b>13,540</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>38</b>	<b>205</b>
Navajo Refining Co										
Artesia .....	9,100	0	8,200	0	9,540	0	0	0	38	200
Western Refining Southwest Inc										
Bloomfield .....	0	0	0	433	0	0	0	0	0	3
Gallup .....	1,800	0	0	0	4,000	0	0	0	0	2
<b>North Dakota .....</b>	<b>4,400</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>17</b>
Tesoro West Coast										
Mandan .....	4,400	0	0	0	0	0	0	0	0	17
<b>Ohio .....</b>	<b>28,950</b>	<b>18,200</b>	<b>23,800</b>	<b>12,500</b>	<b>18,700</b>	<b>0</b>	<b>0</b>	<b>14,200</b>	<b>33</b>	<b>622</b>
BP-Husky Refining LLC										
Toledo .....	11,500	0	9,000	0	0	0	0	10,000	33	346
Lima Refining Company										
Lima .....	0	9,200	0	4,500	18,700	0	0	4,200	0	110
Marathon Petroleum Co LLC										
Canton .....	7,500	0	14,800	0	0	0	0	0	0	104
Sunoco Inc										
Toledo .....	9,950	9,000	0	8,000	0	0	0	0	0	62
<b>Oklahoma .....</b>	<b>32,638</b>	<b>0</b>	<b>36,930</b>	<b>1,682</b>	<b>13,200</b>	<b>0</b>	<b>9,100</b>	<b>8,715</b>	<b>61</b>	<b>344</b>
ConocoPhillips Company										
Ponca City .....	15,758	0	0	0	0	0	0	6,300	35	0
Holly Refining & Marketing Co										
Tulsa East .....	4,868	0	15,216	0	9,000	0	0	0	0	44
Tulsa West .....	0	0	0	900	0	0	9,100	2,415	0	0
Valero Refining Co Oklahoma										
Ardmore .....	7,012	0	14,714	782	0	0	0	0	26	249
Wynnewood Refining Co										
Wynnewood .....	5,000	0	7,000	0	4,200	0	0	0	0	51
<b>Pennsylvania .....</b>	<b>54,500</b>	<b>12,920</b>	<b>22,065</b>	<b>13,900</b>	<b>8,500</b>	<b>0</b>	<b>2,945</b>	<b>0</b>	<b>0</b>	<b>267</b>

**Table 4. Production Capacity of Operable Petroleum Refineries by State as of January 1, 2011**

(Barrels per Stream Day, Except Where Noted)

State/Refiner/Location	Alkylates	Aromatics	Asphalt and Road Oil	Isomers			Lubricants	Marketable Petroleum Coke	Hydrogen <sup>a</sup> (MMcfd)	Sulfur (short tons per day)
				Isobutane	Isopentane and Isohexane	Isooctane				
American Refining Group Inc										
Bradford .....	0	0	65	0	0	0	2,945	0	0	0
ConocoPhillips Company										
Trainer .....	12,000	0	0	0	0	0	0	0	0	41
Sunoco Inc										
Marcus Hook .....	12,000	8,000	0	5,900	0	0	0	0	0	34
Sunoco Inc (R&M)										
Philadelphia .....	26,000	4,920	0	8,000	0	0	0	0	0	125
United Refining Co										
Warren .....	4,500	0	22,000	0	8,500	0	0	0	0	67
<b>Tennessee .....</b>	<b>12,000</b>	<b>29,000</b>	<b>0</b>	<b>4,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>116</b>
Premcor Refining Group Inc										
Memphis .....	12,000	29,000	0	4,000	0	0	0	0	0	116
<b>Texas .....</b>	<b>367,650</b>	<b>137,700</b>	<b>84,100</b>	<b>59,100</b>	<b>98,233</b>	<b>0</b>	<b>75,895</b>	<b>241,841</b>	<b>539</b>	<b>13,546</b>
Alon USA Energy Inc										
Big Spring .....	5,000	1,000	7,600	0	0	0	0	0	0	150
BP Products North America Inc										
Texas City .....	37,000	60,000	0	0	0	0	0	13,750	0	1,452
Citgo Refining & Chemical Inc										
Corpus Christi .....	24,000	15,500	0	0	0	0	0	14,200	0	412
ConocoPhillips Company										
Sweeny .....	21,700	11,600	0	0	10,100	0	0	22,800	0	915
Deer Park Refining LTD Partnership										
Deer Park .....	18,500	0	0	0	0	0	0	38,701	108	1,150
Delek Refining LTD										
Tyler .....	4,700	0	0	0	0	0	0	1,500	0	39
Equistar Chemicals LP										
Channelview .....	22,000	0	0	0	0	0	0	0	0	0
ExxonMobil Refining & Supply Co										
Baytown .....	37,000	0	0	0	0	0	21,100	22,750	0	1,828
Beaumont .....	14,900	0	0	11,200	24,500	0	10,000	15,039	55	536
Flint Hills Resources LP										
Corpus Christi .....	14,300	0	0	4,900	2,500	0	0	3,925	0	411

**Table 4. Production Capacity of Operable Petroleum Refineries by State as of January 1, 2011**

(Barrels per Stream Day, Except Where Noted)

State/Refiner/Location	Alkylates	Aromatics	Asphalt and Road Oil	Isomers			Lubricants	Marketable Petroleum Coke	Hydrogen <sup>a</sup> (MMcfd)	Sulfur (short tons per day)
				Isobutane	Isopentane and Isohexane	Isooctane				
Houston Refining LP										
Houston .....	11,250	0	0	0	0	0	3,895	29,250	0	803
Marathon Petroleum Co LLC										
Texas City .....	13,000	3,000	0	0	0	0	0	0	0	40
Motiva Enterprises LLC										
Port Arthur .....	20,000	0	0	0	0	0	39,000	15,616	0	818
Pasadena Refining Systems Inc										
Pasadena .....	10,000	0	0	0	0	0	0	2,200	0	28
Premcor Refining Group Inc										
Port Arthur .....	19,000	0	0	0	0	0	0	32,240	0	1,280
South Hampton Resources Inc										
Silsbee .....	0	1,500	0	0	2,300	0	0	0	0	0
Total Petrochemicals Inc										
Port Arthur .....	6,300	13,600	4,000	0	9,333	0	0	0	0	720
Trigeant LTD										
Corpus Christi .....	0	0	16,000	0	0	0	0	0	0	0
Valero Energy Corporation										
Sunray .....	9,800	0	12,000	3,000	0	0	0	0	0	75
Three Rivers .....	6,500	10,500	0	3,000	0	0	1,900	0	0	70
Valero Refining Co Texas LP										
Corpus Christi .....	21,300	21,000	38,000	17,000	12,000	0	0	6,270	275	1,288
Houston .....	11,800	0	0	0	0	0	0	0	0	336
Texas City .....	13,600	0	0	0	6,500	0	0	15,600	0	855
Western Refining Company LP										
El Paso .....	12,000	0	6,500	5,000	0	0	0	0	10	0
WRB Refining LLC										
Borger .....	14,000	0	0	15,000	31,000	0	0	8,000	91	340
<b>Utah .....</b>	<b>18,400</b>	<b>0</b>	<b>1,800</b>	<b>3,200</b>	<b>5,500</b>	<b>0</b>	<b>0</b>	<b>2,500</b>	<b>0</b>	<b>95</b>
Big West Oil Co										
North Salt Lake .....	2,900	0	0	1,900	2,500	0	0	0	0	4
Chevron USA Inc										
Salt Lake City .....	5,600	0	0	1,300	0	0	0	2,500	0	63
Holly Refining & Marketing Co										
Woods Cross .....	3,300	0	1,800	0	3,000	0	0	0	0	10

**Table 4. Production Capacity of Operable Petroleum Refineries by State as of January 1, 2011**

(Barrels per Stream Day, Except Where Noted)

State/Refiner/Location	Alkylates	Aromatics	Asphalt and Road Oil	Isomers			Lubricants	Marketable Petroleum Coke	Hydrogen <sup>a</sup> (MMcfd)	Sulfur (short tons per day)
				Isobutane	Isopentane and Isohexane	Isooctane				
Tesoro West Coast										
Salt Lake City .....	6,600	0	0	0	0	0	0	0	0	18
<b>Virginia .....</b>	<b>5,200</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>6,000</b>	<b>14</b>	<b>61</b>
Western Refining Yorktown Inc										
Yorktown .....	5,200	0	0	0	0	0	0	6,000	14	61
<b>Washington .....</b>	<b>33,800</b>	<b>0</b>	<b>13,500</b>	<b>12,200</b>	<b>27,400</b>	<b>0</b>	<b>0</b>	<b>24,650</b>	<b>122</b>	<b>741</b>
BP West Coast Products LLC										
Ferndale .....	0	0	0	6,000	24,000	0	0	16,250	122	252
ConocoPhillips Company										
Ferndale .....	9,500	0	0	2,600	0	0	0	0	0	118
Shell Oil Products US										
Anacortes .....	11,900	0	0	0	0	0	0	8,400	0	360
Tesoro West Coast										
Anacortes .....	12,400	0	5,500	3,600	0	0	0	0	0	0
US Oil & Refining Co										
Tacoma .....	0	0	8,000	0	3,400	0	0	0	0	11
<b>West Virginia .....</b>	<b>0</b>	<b>0</b>	<b>600</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>6,100</b>	<b>0</b>	<b>3</b>	<b>1</b>
Ergon West Virginia Inc										
Newell .....	0	0	600	0	0	0	6,100	0	3	1
<b>Wisconsin .....</b>	<b>1,600</b>	<b>0</b>	<b>7,500</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>34</b>
Murphy Oil USA Inc										
Superior .....	1,600	0	7,500	0	0	0	0	0	0	34
<b>Wyoming .....</b>	<b>10,000</b>	<b>0</b>	<b>10,100</b>	<b>24</b>	<b>1,000</b>	<b>0</b>	<b>0</b>	<b>11,700</b>	<b>58</b>	<b>333</b>
Frontier Refining Inc										
Cheyenne .....	4,200	0	1,500	0	0	0	0	4,700	6	116
Little America Refining Co										
Evansville .....	0	0	600	0	0	0	0	0	0	10
Silver Eagle Refining										
Evanston .....	0	0	0	0	1,000	0	0	0	0	0
Sinclair Wyoming Refining Co										
Sinclair .....	4,500	0	8,000	0	0	0	0	7,000	52	207

**Table 4. Production Capacity of Operable Petroleum Refineries by State as of January 1, 2011**

(Barrels per Stream Day, Except Where Noted)

State/Refiner/Location	Alkylates	Aromatics	Asphalt and Road Oil	Isomers			Lubricants	Marketable Petroleum Coke	Hydrogen <sup>a</sup> (MMcfd)	Sulfur (short tons per day)
				Isobutane	Isopentane and Isohexane	Isooctane				
Wyoming Refining Co										
New Castle .....	1,300	0	0	24	0	0	0	0	0	0
<b>U.S. Total .....</b>	<b>1,262,443</b>	<b>297,311</b>	<b>828,003</b>	<b>213,449</b>	<b>487,993</b>	<b>1,600</b>	<b>242,840</b>	<b>778,114</b>	<b>3,082</b>	<b>35,483</b>
<b>Virgin Islands .....</b>	<b>19,000</b>	<b>20,000</b>	<b>0</b>	<b>0</b>	<b>20,000</b>	<b>0</b>	<b>0</b>	<b>19,000</b>	<b>0</b>	<b>550</b>
Hovensa LLC										
Kingshill .....	19,000	20,000	0	0	20,000	0	0	19,000	0	550

<sup>a</sup> Includes hydrogen production capacity of hydrogen plants on refinery grounds.

Note: Refer to Table 5 for corporate ownership information. Some names of previously independent companies have been preserved by acquiring companies.

Source: Energy Information Administration (EIA), Form EIA-820, "Annual Refinery Report."

**Table 5. Refiners' Total Operable Atmospheric Crude Oil Distillation Capacity as of January 1, 2011**

CORPORATION / Refiner / Location	Barrels per Calendar Day	CORPORATION / Refiner / Location	Barrels per Calendar Day
<b>Companies with Capacity Over 100,000 bbl/cd</b>		Sunray, Texas .....	156,000
EXXON MOBIL CORP .....	1,855,240	Three Rivers, Texas .....	93,000
ExxonMobil Refining & Supply Co		Valero Refining Co California	
Baytown, Texas .....	560,640	Benicia, California .....	132,000
Baton Rouge, Louisiana .....	502,000	Wilmington Refinery, California .....	78,000
Beaumont, Texas .....	344,500	Wilmington Asphalt Plant, California .....	6,300
Joliet, Illinois .....	238,600	Valero Refining New Orleans LLC	
Torrance, California .....	149,500	Norco, Louisiana .....	205,000
Billings, Montana .....	60,000	Valero Refining Co Oklahoma	
CONOCOPHILLIPS .....	1,787,000	Ardmore, Oklahoma .....	85,000
ConocoPhillips Company		BP PLC .....	1,302,350
Belle Chasse, Louisiana .....	247,000	BP Products North America Inc	
Sweeny, Texas .....	247,000	Texas City, Texas .....	406,570
Westlake, Louisiana .....	239,400	Whiting, Indiana .....	405,000
Linden, New Jersey .....	238,000	BP West Coast Products LLC	
Ponca City, Oklahoma .....	198,400	Los Angeles, California .....	253,000
Trainer, Pennsylvania .....	185,000	Ferndale, Washington .....	225,000
Wilmington, California .....	139,000	BP Exploration Alaska Inc	
Rodeo, California .....	120,200	Prudhoe Bay, Alaska .....	12,780
Ferndale, Washington .....	100,000	MARATHON OIL CORP .....	1,142,000
Billings, Montana .....	58,000	Marathon Petroleum Co LLC	
ConocoPhillips Alaska Inc		Garyville, Louisiana .....	464,000
Prudhoe Bay, Alaska .....	15,000	Catlettsburg, Kentucky .....	212,000
VALERO ENERGY CORP .....	1,682,300	Robinson, Illinois .....	206,000
Premcor Refining Group Inc		Detroit, Michigan .....	106,000
Port Arthur, Texas .....	292,000	Canton, Ohio .....	78,000
Memphis, Tennessee .....	180,000	Texas City, Texas .....	76,000
Valero Refining Co Texas LP			
Texas City, Texas .....	225,000		
Corpus Christi, Texas .....	142,000		
Houston, Texas .....	88,000		
Valero Energy Corporation			

**Table 5. Refiners' Total Operable Atmospheric Crude Oil Distillation Capacity as of January 1, 2011**

CORPORATION / Refiner / Location	Barrels per Calendar Day	CORPORATION / Refiner / Location	Barrels per Calendar Day
CHEVRON CORP .....	1,027,271	Tesoro Refining & Marketing Co	
Chevron USA Inc		Martinez, California .....	166,000
Pascagoula, Mississippi .....	330,000	Wilmington, California .....	94,300
El Segundo, California .....	273,000	Tesoro West Coast	
Richmond, California .....	245,271	Anacortes, Washington .....	120,000
Perth Amboy, New Jersey .....	80,000	Mandan, North Dakota .....	58,000
Honolulu, Hawaii .....	54,000	Salt Lake City, Utah .....	57,500
Salt Lake City, Utah .....	45,000	Tesoro Hawaii Corp	
KOCH INDUSTRIES INC .....	771,578	Ewa Beach, Hawaii .....	93,500
Flint Hills Resources LP		Tesoro Alaska Petroleum Co	
Corpus Christi, Texas .....	290,078	Kenai, Alaska .....	68,000
Saint Paul, Minnesota .....	262,000	WRB REFINING LLC .....	508,000
North Pole, Alaska .....	219,500	WRB Refining LLC	
PDV AMERICA INC .....	757,800	Wood River, Illinois .....	362,000
Citgo Petroleum Corp		(50% ConocoPhillips, 50% Cenovus)	
Lake Charles, Louisiana .....	427,800	Borger, Texas .....	146,000
PDV Midwest Refining LLC		(50% ConocoPhillips, 50% Cenovus)	
Lemont, Illinois .....	167,000	ROYAL DUTCH/SHELL GROUP .....	436,400
Citgo Refining & Chemical Inc		Shell Oil Products US	
Corpus Christi, Texas .....	163,000	Martinez, California .....	156,400
MOTIVA ENTERPRISES LLC .....	753,500	Anacortes, Washington .....	145,000
(50% Royal Dutch/Shell Group, 50% Saudi Aramco)		Shell Chemical LP	
Motiva Enterprises LLC		Saraland, Alabama .....	80,000
Port Arthur, Texas .....	285,000	Saint Rose, Louisiana .....	55,000
Convent, Louisiana .....	235,000	PBF ENERGY CO LLC .....	342,200
Norco, Louisiana .....	233,500	Delaware City Refining Co LLC	
SUNOCO INC .....	673,000	Delaware City, Delaware .....	182,200
Sunoco Inc		Paulsboro Refining Co LLC	
Marcus Hook, Pennsylvania .....	178,000	Paulsboro, New Jersey .....	160,000
Toledo, Ohio .....	160,000	DEER PARK REFINING LTD PTNRSHP	
Sunoco Inc (R&M)		(50% Royal Dutch/Shell Group, 50% Pemex)	
Philadelphia, Pennsylvania .....	335,000	Deer Park Refining LTD Partnership	
TESORO CORP .....	657,300	Deer Park, Texas .....	327,000

**Table 5. Refiners' Total Operable Atmospheric Crude Oil Distillation Capacity as of January 1, 2011**

CORPORATION / Refiner / Location	Barrels per Calendar Day	CORPORATION / Refiner / Location	Barrels per Calendar Day
HOLLY CORP .....	285,350	FRONTIER OIL REFINING & MKTG .....	185,000
Holly Refining & Marketing Co		Frontier El Dorado Refining Co	
Tulsa West, Oklahoma .....	85,000	El Dorado, Kansas .....	138,000
Tulsa East, Oklahoma .....	70,300	Frontier Refining Inc	
Woods Cross, Utah .....	25,050	Cheyenne, Wyoming .....	47,000
Navajo Refining Co		MURPHY OIL CORP .....	159,300
Artesia, New Mexico .....	105,000	Murphy Oil USA Inc	
ACCESS INDUSTRIES		Meraux, Louisiana .....	125,000
Houston Refining LP		Superior, Wisconsin .....	34,300
Houston, Texas .....	280,390	HUSKY ENERGY INC	
TOTAL SA		Lima Refining Company	
Total Petrochemicals Inc		Lima, Ohio .....	155,000
Port Arthur, Texas .....	232,000	CHS INC .....	145,100
ALON ISRAEL OIL COMPANY LTD .....	231,500	NCRA	
Paramount Petroleum Corporation		McPherson, Kansas .....	85,500
Paramount, California .....	53,000	Cenex Harvest States Coop	
Long Beach, California .....	31,500	Laurel, Montana .....	59,600
Alon Refining Krotz Springs Inc		BP-HUSKY REFINING LLC	
Krotz Springs, Louisiana .....	80,000	(50% BP, 50% Husky)	
Alon USA Energy Inc		BP-Husky Refining LLC	
Big Spring, Texas .....	67,000	Toledo, Ohio .....	131,400
WESTERN REFINING INC. ....	226,200	ERGON INC .....	118,000
Western Refining Company LP		Lion Oil Co	
El Paso, Texas .....	122,000	El Dorado, Arkansas .....	75,000
Western Refining Yorktown Inc		Ergon Refining Inc	
Yorktown, Virginia .....	66,300	Vicksburg, Mississippi .....	23,000
Western Refining Southwest Inc		Ergon West Virginia Inc	
Gallup, New Mexico .....	21,100	Newell, West Virginia .....	20,000
Bloomfield, New Mexico .....	16,800	CVR ENERGY INC	
CHALMETTE REFINING LLC		Coffeyville Resources Rfg & Mktg LLC	
(50% ExxonMobil, 50% PDV)		Coffeyville, Kansas .....	115,700
Chalmette Refining LLC			
Chalmette, Louisiana .....	192,500		

**Table 5. Refiners' Total Operable Atmospheric Crude Oil Distillation Capacity as of January 1, 2011**

CORPORATION / Refiner / Location	Barrels per Calendar Day	CORPORATION / Refiner / Location	Barrels per Calendar Day
SUNCOR ENERGY INC	103,000	NORTHERN TIER ENERGY LLC (50% ACON Investments, 50%TPG Capital)	
Suncor Energy (USA) Inc		St Paul Park Refining Co LLC <sup>e</sup>	
Commerce City West, Colorado	67,000	Saint Paul, Minnesota	74,000
Commerce City East, Colorado	36,000		
PETROLEO BRASILEIRO SA		GARY WILLIAMS CO	
Pasadena Refining Systems Inc		Wynnewood Refining Co	
Pasadena, Texas	100,000	Wynnewood, Oklahoma	70,000
<b>Total</b>	<b>16,683,379</b>	UNITED REFINING INC	
		United Refining Co	
		Warren, Pennsylvania	65,000
		DELEK GROUP LTD	
		Delek Refining LTD	
		Tyler, Texas	60,000
		PLACID OIL CO	
		Placid Refining Co	
		Port Allen, Louisiana	57,000
		HUNT CONSLD INC	47,000
		Hunt Refining Co	
		Tuscaloosa, Alabama	36,000
		Hunt Southland Refining Co	
		Sandersville, Mississippi	11,000
		COMPAGNIE NATIONALE A PORTEFEUILLE	
		US Oil & Refining Co	
		Tacoma, Washington	38,800
		<b>Total</b>	<b>839,320</b>
		<b>Companies with Capacity 10,001 to 30,000 bbl/cd</b>	
		FJ MANAGEMENT INC	
		Big West Oil Co <sup>f</sup>	
		North Salt Lake, Utah	29,400
SINCLAIR OIL CORP	98,500		
Sinclair Wyoming Refining Co			
Sinclair, Wyoming	74,000		
Little America Refining Co			
Evansville, Wyoming	24,500		
NUSTAR ENERGY LP	98,000		
Nustar Asphalt Refining LLC			
Paulsboro, New Jersey	70,000		
Savannah, Georgia	28,000		
CALUMET LUBRICANTS CO	78,320		
Calumet Shreveport LLC			
Shreveport, Louisiana	57,000		
Calumet Lubricants Co LP			
Cotton Valley, Louisiana	13,020		
Princeton, Louisiana	8,300		
TRANSWORLD OIL USA INC			
Calcasieu Refining Co			
Lake Charles, Louisiana	78,000		
ARCTIC SLOPE REGIONAL CORP	74,700		
Petro Star Inc			
Valdez, Alaska	55,000		
North Pole, Alaska	19,700		

**Table 5. Refiners' Total Operable Atmospheric Crude Oil Distillation Capacity as of January 1, 2011**

CORPORATION / Refiner / Location	Barrels per Calendar Day	CORPORATION / Refiner / Location	Barrels per Calendar Day
COUNTRYMARK COOP INC		Greka Energy	
Countrymark Cooperative Inc		Santa Maria, California .....	9,500
Mount Vernon, Indiana .....	26,500	WORLD OIL CO	
KERN OIL & REFINING CO		Lunday Thagard Co	
Kern Oil & Refining Co		South Gate, California .....	8,500
Bakersfield, California .....	26,000	MARTIN RESOURCE MANAGEMENT GRP	
SAN JOAQUIN REFINING CO INC		Martin Midstream Partners LP	
San Joaquin Refining Co Inc		Smackover, Arkansas .....	7,500
Bakersfield, California .....	15,000	MIDSOUTH ENERGY LLC	
AGE REFINING & MARKETING INC		Somerset Energy Refining LLC	
Age Refining Inc		Somerset, Kentucky .....	5,500
San Antonio, Texas .....	14,021	GOODWAY REFINING LLC	
WYOMING REFINING CO		Goodway Refining LLC	
Wyoming Refining Co		Atmore, Alabama .....	4,100
New Castle, Wyoming .....	14,000	GARCO ENERGY LLC	
SILVER EAGLE REFINING INC	13,250	Garco Energy LLC	
Silver Eagle Refining		Douglas, Wyoming .....	3,600
Woods Cross, Utah .....	10,250	OIL HOLDING INC	
Evanston, Wyoming .....	3,000	Tenby Inc	
VENTURA REFINING & TRANS LLC		Oxnard, California .....	2,800
Ventura Refining & Transmission LLC		FORELAND REFINING CORP	
Thomas, Oklahoma .....	12,000	Foreland Refining Corp	
<b>Total.....</b>	<b>150,171</b>	Ely, Nevada .....	2,000
<b>Companies with Capacity</b>		<b>Total.....</b>	<b>63,500</b>
<b>10,000 bbl/cd or Less</b>		<b>U.S. Total.....</b>	<b>17,736,370</b>
AMERICAN REFINING GROUP INC			
American Refining Group Inc			
Bradford, Pennsylvania .....	10,000		
CONNACHER OIL & GAS LTD			
Montana Refining Co			
Great Falls, Montana .....	10,000		
GREKA ENERGY			

**Table 5. Refiners' Total Operable Atmospheric Crude Oil Distillation Capacity as of January 1, 2011**

CORPORATION / Refiner / Location	Barrels per Calendar Day	CORPORATION / Refiner / Location	Barrels per Calendar Day

a Formerly Flint Hills Resources Alaska LLC.

b Formerly owned by Valero Energy Corp.

c Formerly owned by Valero Energy Corp.

d Formerly Edgington Oil Co. Inc.

e Formerly owned by Marathon Oil Corp.

f Formerly Flying J Inc.

Source: Energy Information Administration (EIA), Form EIA-820, "Annual Refinery Report."

**Table 6. Operable Crude Oil and Downstream Charge Capacity of Petroleum Refineries, January 1, 1981 to****January 1, 2011**

(Thousand Barrels per Stream Day, Except Where Noted)

Year/PAD District	Atmospheric Crude Oil Distillation	Downstream Charge Capacity							
		Vacuum Distillation	Thermal Cracking	Catalytic Cracking		Catalytic Hydro- Cracking	Catalytic Reforming	Hydrotreating/ Desulfurization	Fuels Solvent Deasphalting
				Fresh	Recycled				
JAN 1, 1981	19,763	7,033	1,587	5,543	594	909	4,098	8,487	NA
JAN 1, 1982	19,018	7,197	1,782	5,474	562	892	3,966	8,539	NA
JAN 1, 1983	17,871	7,180	1,715	5,402	488	883	3,918	8,354	NA
JAN 1, 1984	17,059	7,165	1,852	5,310	492	952	3,907	9,009	NA
JAN 1, 1985	16,501	6,998	1,858	5,232	507	1,053	3,750	8,897	NA
JAN 1, 1986	16,346	6,892	1,880	5,214	463	1,125	3,744	8,791	NA
JAN 1, 1987	16,460	6,935	1,928	5,251	466	1,189	3,805	9,083	230
JAN 1, 1988	16,825	7,198	2,080	5,424	381	1,202	3,891	9,170	240
JAN 1, 1989	16,568	7,225	2,073	5,324	326	1,238	3,911	9,440	245
JAN 1, 1990	16,507	7,245	2,108	5,441	314	1,282	3,896	9,537	279
JAN 1, 1991	16,557	7,276	2,158	5,559	304	1,308	3,926	9,676	271
JAN 1, 1992	16,633	7,127	2,100	5,608	280	1,363	3,907	9,644	276
JAN 1, 1993	15,935	6,892	2,082	5,540	244	1,397	3,728	9,677	269
JAN 1, 1994	15,904	6,892	2,107	5,586	191	1,376	3,875	10,616	261
JAN 1, 1995	16,326	7,248	2,123	5,583	169	1,386	3,867	10,916	251
JAN 1, 1997	16,287	7,349	2,050	5,595	155	1,388	3,727	11,041	275
JAN 1, 1999	17,155	7,538	2,046	5,920	153	1,552	3,779	11,461	319
JAN 1, 2000	17,393	7,617	2,163	5,949	99	1,576	3,770	11,440	351
JAN 1, 2001	17,511	7,798	2,277	5,983	86	1,615	3,797	11,673	350
JAN 1, 2002	17,676	7,779	2,329	5,989	80	1,633	3,753	11,845	362
JAN 1, 2003	17,675	7,788	2,377	6,052	79	1,644	3,777	11,987	350
JAN 1, 2004	17,815	7,964	2,435	6,098	87	1,602	3,812	13,501	366
JAN 1, 2005	18,031	8,120	2,491	6,151	87	1,624	3,836	14,087	384
JAN 1, 2006	18,308	8,398	2,540	6,188	87	1,637	3,859	14,808	386
JAN 1, 2007	18,425	8,251	2,564	6,219	82	1,791	3,908	15,447	379
JAN 1, 2008	18,558	8,421	2,606	6,266	79	1,770	3,892	15,807	378
JAN 1, 2009	18,681	8,542	2,639	6,292	79	1,743	3,829	16,131	381
JAN 1, 2010	18,581	8,543	2,632	6,140	92	1,820	3,700	16,023	383
<b>JAN 1, 2011</b>	<b>18,953</b>	<b>8,650</b>	<b>2,672</b>	<b>6,220</b>	<b>96</b>	<b>1,856</b>	<b>3,721</b>	<b>16,683</b>	<b>383</b>
PADD I	1,709	678	104	710	8	45	293	1,350	20
PADD II	4,022	1,589	412	1,312	17	286	929	3,548	18
PADD III	9,266	4,498	1,467	3,114	50	922	1,761	8,718	243
PADD IV	666	240	88	199	5	30	132	556	6
PADD V	3,291	1,645	601	884	16	572	606	2,510	96
<b>JAN 1, 2012<sup>a</sup></b>	<b>18,966</b>	<b>8,787</b>	<b>2,781</b>	<b>6,228</b>	<b>96</b>	<b>1,866</b>	<b>3,721</b>	<b>16,725</b>	<b>382</b>
PADD I	1,709	678	104	710	8	45	293	1,350	20
PADD II	4,034	1,657	477	1,312	17	298	929	3,573	18
PADD III	9,267	4,565	1,509	3,122	50	920	1,762	8,733	242
PADD IV	666	240	90	199	5	30	132	556	6
PADD V	3,291	1,646	601	884	16	573	606	2,513	96
<b>2011-2012<sup>a</sup></b>	<b>13</b>	<b>137</b>	<b>109</b>	<b>8</b>	<b>0</b>	<b>10</b>	<b>0</b>	<b>42</b>	<b>-1</b>
PADD I	0	0	0	0	0	0	0	0	0
PADD II	12	68	65	0	0	12	0	25	0
PADD III	1	67	42	8	0	-2	1	15	-1
PADD IV	0	0	2	0	0	0	0	0	0
PADD V	0	1	0	0	0	1	0	3	0

<sup>a</sup> Projected data from refiners.

Notes:

NA = Not available.

Totals may not equal sum of components due to independent rounding.

The EIA-820 refinery capacity survey was not conducted for January 1, 1996 or January 1, 1998.

Source: Energy Information Administration (EIA), Form EIA-820, "Annual Refinery Report."

**Table 7. Operable Production Capacity of Petroleum Refineries, January 1, 1981 to January 1, 2011**

(Thousand Barrels per Stream Day, Except Where Noted)

Year/PAD District	Production Capacity							
	Alkylates	Aromatics	Asphalt and Road Oil	Isomers	Lubricants	Marketable Petroleum Coke	Hydrogen <sup>a</sup> (MMcfd)	Sulfur (short tons/day)
JAN 1, 1981	974	299	765	131	234	276	2,054	NA
JAN 1, 1982	984	290	740	162	242	267	1,944	NA
JAN 1, 1983	960	237	722	212	241	296	2,298	NA
JAN 1, 1984	945	218	800	208	241	407	2,444	NA
JAN 1, 1985	917	215	767	219	243	424	2,572	NA
JAN 1, 1986	941	276	804	258	246	356	2,357	NA
JAN 1, 1987	974	287	788	326	250	364	2,569	23,806
JAN 1, 1988	993	289	788	465	232	368	2,418	27,639
JAN 1, 1989	1,015	290	823	469	230	333	2,501	28,369
JAN 1, 1990	1,030	290	844	456	232	341	2,607	24,202
JAN 1, 1991	1,077	292	866	490	229	367	2,527	23,875
JAN 1, 1992	1,095	290	812	494	217	356	2,644	23,811
JAN 1, 1993	1,083	286	814	499	217	393	2,674	25,940
JAN 1, 1994	1,086	278	793	499	213	410	2,940	24,554
JAN 1, 1995	1,105	285	846	502	217	427	3,139	24,885
JAN 1, 1997	1,120	288	872	577	244	458	3,052	26,466
JAN 1, 1999	1,172	302	846	667	233	441	3,104	26,423
JAN 1, 2000	1,185	315	886	643	218	464	3,143	26,645
JAN 1, 2001	1,191	318	900	654	214	538	3,230	27,446
JAN 1, 2002	1,181	313	917	658	218	548	3,244	29,107
JAN 1, 2003	1,191	316	873	679	216	646	3,265	29,766
JAN 1, 2004	1,205	322	887	688	210	672	3,258	30,606
JAN 1, 2005	1,229	318	881	703	217	696	2,965	31,004
JAN 1, 2006	1,238	319	893	708	220	709	2,823	32,421
JAN 1, 2007	1,227	306	877	739	234	722	3,100	33,021
JAN 1, 2008	1,261	285	858	727	249	735	3,109	33,487
JAN 1, 2009	1,261	299	847	736	230	762	2,914	33,500
JAN 1, 2010	1,249	271	844	715	240	760	2,985	34,058
<b>JAN 1, 2011</b>	<b>1,262</b>	<b>297</b>	<b>828</b>	<b>703</b>	<b>243</b>	<b>778</b>	<b>3,082</b>	<b>35,483</b>
PADD I	109	18	145	32	21	27	88	1,141
PADD II	265	82	303	143	9	121	495	6,084
PADD III	622	194	212	314	173	444	1,023	21,688
PADD IV	46	0	62	17	0	27	174	960
PADD V	220	4	106	196	40	159	1,302	5,610
<b>JAN 1, 2012<sup>b</sup></b>	<b>1,265</b>	<b>297</b>	<b>793</b>	<b>703</b>	<b>243</b>	<b>814</b>	<b>3,197</b>	<b>35,916</b>
PADD I	109	18	145	32	21	27	88	1,141
PADD II	265	82	268	143	9	142	580	6,588
PADD III	623	194	212	314	173	459	1,053	21,697
PADD IV	46	0	62	17	0	27	174	960
PADD V	221	4	106	196	40	159	1,302	5,530
<b>2011-2012<sup>b</sup></b>	<b>3</b>	<b>0</b>	<b>-35</b>	<b>0</b>	<b>0</b>	<b>36</b>	<b>115</b>	<b>433</b>
PADD I	0	0	0	0	0	0	0	0
PADD II	0	0	-35	0	0	21	85	504
PADD III	1	0	0	0	0	15	30	9
PADD IV	0	0	0	0	0	0	0	0
PADD V	1	0	0	0	0	0	0	-80

<sup>a</sup> Includes hydrogen production capacity of hydrogen plants on refinery grounds.

<sup>b</sup> Projected data from refiners.

Notes:

NA = Not available. MMcfd = Million cubic feet per day.

Totals may not equal sum of components due to independent rounding.

The EIA-820 refinery capacity survey was not conducted for January 1, 1996 or January 1, 1998.

Source: Energy Information Administration (EIA), Form EIA-820, "Annual Refinery Report."

**Table 8. Capacity and Fresh Feed Input to Selected Downstream Units at U.S. Refineries, 2009 - 2011**  
(Barrels per Calendar Day)

Year/PAD District	Cokers		Catalytic Crackers		Hydrocrackers		Reformers	
	Capacity	Inputs	Capacity	Inputs	Capacity	Inputs	Capacity	Inputs
<b>2009</b>	<b>2,428,961</b>	<b>1,908,227</b>	<b>5,847,130</b>	<b>4,957,222</b>	<b>1,592,973</b>	<b>1,239,181</b>	<b>NA</b>	<b>NA</b>
PADD I	95,500	49,567	724,300	543,414	41,500	29,356	NA	NA
PADD II	386,829	327,808	1,141,453	994,529	253,000	213,063	NA	NA
PADD III	1,293,674	1,040,625	2,956,857	2,584,814	704,201	531,658	NA	NA
PADD IV	79,950	56,342	189,705	158,318	16,000	14,504	NA	NA
PADD V	573,008	433,885	834,815	676,148	578,272	450,600	NA	NA
<b>2010</b>	<b>2,387,896</b>	<b>1,966,545</b>	<b>5,675,830</b>	<b>4,853,896</b>	<b>1,663,115</b>	<b>1,411,195</b>	<b>3,378,841</b>	<b>2,632,422</b>
PADD I	45,300	27,677	586,000	498,049	21,500	19,488	226,266	185,052
PADD II	380,191	337,888	1,139,103	999,318	256,200	228,540	844,628	693,542
PADD III	1,321,900	1,114,729	2,944,919	2,554,485	835,335	672,734	1,644,941	1,243,485
PADD IV	80,550	55,548	190,500	161,512	26,500	14,036	119,760	97,359
PADD V	559,955	430,704	815,308	640,532	523,580	476,397	543,246	412,984
<b>2011</b>	<b>2,396,787</b>	<b>NA</b>	<b>5,794,214</b>	<b>NA</b>	<b>1,687,745</b>	<b>NA</b>	<b>3,346,457</b>	<b>NA</b>
PADD I	93,700	NA	673,300	NA	41,500	NA	266,950	NA
PADD II	373,897	NA	1,176,972	NA	254,000	NA	812,244	NA
PADD III	1,318,440	NA	2,933,842	NA	841,285	NA	1,629,967	NA
PADD IV	80,350	NA	185,800	NA	28,200	NA	120,190	NA
PADD V	530,400	NA	824,300	NA	522,760	NA	517,106	NA

NA = Not Available.

Note: Capacities are as of January 1 of the indicated year.

Sources: Capacities are from the Energy Information Administration (EIA) Form EIA-820, "Annual Refinery Report."

Inputs are from the form EIA-810, "Monthly Refinery Report." Year 2009 data is final, 2010 data is preliminary.

**Table 9. Refinery Receipts of Crude Oil by Method of Transportation by PAD District, 2010**

(Thousand Barrels)

Method	PAD Districts					United States
	I	II	III	IV	V	
<b>Pipeline</b>						
Domestic	2,259	712,212	794,891	86,714	241,655	1,837,731
Foreign	19,322	478,606	349,230	78,034	49,600	974,792
<b>Tanker</b>						
Domestic	0	0	2,211	0	209,350	211,561
Foreign	309,505	0	1,500,256	0	338,339	2,148,100
<b>Barge</b>						
Domestic	3,128	207	41,955	0	820	46,110
Foreign	65,128	40	14,720	0	22,208	102,096
<b>Tank Cars</b>						
Domestic	0	0	793	0	3,535	4,328
Foreign	0	0	0	0	0	0
<b>Trucks</b>						
Domestic	5,021	5,915	22,323	32,470	6,511	72,240
Foreign	0	0	0	0	0	0
<b>Total</b>						
Domestic	10,408	718,334	862,173	119,184	461,871	2,171,970
Foreign	393,955	478,646	1,864,206	78,034	410,147	3,224,988

Source: Energy Information Administration (EIA), Form EIA-820, "Annual Refinery Report."

**Table 10a. Fuel Consumed at Refineries by PAD District, 2010**  
(Thousand Barrels, Except Where Noted)

Commodity	PAD Districts					United States
	I	II	III	IV	V	
Crude Oil	0	0	0	0	0	0
Liquefied Petroleum Gases	43	1,040	345	93	883	2,404
Distillate Fuel Oil	33	21	132	1	253	440
Residual Fuel Oil	74	101	43	9	753	980
Still Gas	12,631	47,621	107,427	8,474	43,737	219,890
Marketable Petroleum Coke	0	0	0	752	145	897
Catalyst Petroleum Coke	9,316	16,480	43,341	2,590	10,347	82,074
Natural Gas (million cubic feet)	25,074	138,233	415,660	25,287	151,808	756,062
Coal (thousand short tons)	29	0	0	0	0	29
Purchased Electricity (million kWh)	3,598	10,910	24,798	1,957	4,964	46,227
Purchased Steam (million pounds)	5,305	14,484	93,948	1,214	14,030	128,981
Other Products <sup>a</sup>	27	65	1,009	3	1,254	2,358

Note: Includes volumes used as fuel at refineries and all nonprocessing losses of crude oil and petroleum products (e.g., spills, fire losses, contamination, etc.)

<sup>a</sup> Includes pentanes plus, other hydrocarbons, oxygenates, hydrogen, unfinished oils, gasoline, special naphthas, jet fuel, lubricants, asphalt and road oil, and miscellaneous products.

Source: Energy Information Administration (EIA), Form EIA-820, "Annual Refinery Report," and Form EIA-810, "Monthly Refinery Report."

**Table 10b. Natural Gas Used as Feedstock for Hydrogen Production by PAD District, 2010**  
(Million Cubic Feet)

Commodity	PAD Districts					United States
	I	II	III	IV	V	
Natural Gas Used As Feedstock For Hydrogen Production	3,346	45,452	43,170	12,047	50,488	154,503

Source: Energy Information Administration (EIA), Form EIA-820, "Annual Refinery Report".

**Table 11. New, Shutdown and Reactivated Refineries During 2010**

PAD District / Refinery	Location	Total Atmospheric Crude Oil Distillation Capacity (bbl/cd) <sup>a</sup>	Total Downstream Charge Capacity (bbl/sd) <sup>b</sup>	Date Operable	Date of Last Operation	Date Shutdown
<b>REACTIVATED</b>						
<b>PAD District I</b>		<b>182,200</b>	<b>466,700</b>			
Delaware City Refining Co LLC	Delaware City, DE	182,200	466,700	01/11	11/09	
<b>OTHER</b>						
<b>PAD District III</b>		<b>0</b>	<b>0</b>			
Belvieu Environmental Fuels <sup>c</sup>	Mont Belvieu, TX	0	0			

<sup>a</sup> bbl/cd=Barrels per calendar day.

<sup>b</sup> bbl/sd=Barrels per stream day.

<sup>c</sup> Belvieu Environmental Fuels does not have any atmospheric crude oil distillation capacity or downstream charge capacity. In 2010, they converted their isooctane production capacity to MTBE production. They were removed from the refinery counts as of January 1, 2011.

Sources: Energy Information Administration (EIA) Form EIA-810, "Monthly Refinery Report" and Form EIA-820, "Annual Refinery Report."

**Table 12. Refinery Sales During 2010**

Former Corporation/Refiner	Total Atmospheric Crude Oil Distillation Capacity (bbl/cd)	New Corporation/Refiner	Date of Sale
Flying J Inc./Big West of California Bakersfield, CA	0	Alon Israel Oil Co. Ltd./Alon Bakersfield Operating Inc.	6/10
Valero Energy Corp./Premcor Refining Group Inc. Delaware City, DE	182,200	PBF Energy Co. LLC/Delaware City Refining Co. LLC	6/10
Marathon Oil Corp./Marathon Petroleum Co. LLC Saint Paul, MN	74,000	Northern Tier Energy LLC/St. Paul Park Refining Co. LLC	12/10
Valero Energy Corp./Valero Refining Co. New Jersey Paulsboro, NJ	160,000	PBF Energy Co. LLC/Paulsboro Refining Co. LLC	12/10

Notes:

Alon Bakersfield Operating Inc. will not operate the atmospheric crude oil distillation unit at the Bakersfield refinery.

Sunoco Inc. sold its Toledo, OH refinery to PBF Energy Co. LLC on March 1, 2011.

Ergon Inc. sold its share of the El Dorado, AR refinery to Delek Group Ltd on May 1, 2011.

AGE Refining Inc sold its San Antonio refinery to Nustar Energy LP on April 19, 2011.

bbl/cd= Barrels per calendar day as of January 1, 2011

Sources: Energy Information Administration (EIA) Form EIA-810, "Monthly Refinery Report" and Form EIA-820, "Annual Refinery Report."

**Table 13. Refineries Permanently Shutdown By PAD District Between January 1, 1990 and January 1, 2010**

PAD District / Refinery	Location	Total Atmospheric Crude Oil Distillation Capacity (bbl/cd)	Total Downstream Charge Capacity (bbl/sd)	Date of Last Operation	Date Shutdown
<b>PAD District I</b>		<b>400,350</b>			
Primary Energy Corp	Richmond, VA	6,100	0	a	
GNC Energy Corp	Greensboro, NC	3,000	0	a	
Saint Mary's Refining Co	Saint Mary's, WV	4,000	4,480	02/93	03/93
Cibro Refining	Albany, NY	41,850	27,000	07/93	09/93
Calumet Lubricants Co LP	Rouseville, PA	12,800	26,820	03/00	06/00
Young Refining Corp.	Douglasville, GA	5,400	0	07/04	07/04
Valero Energy Corp	Delaware City, DE	182,200	446,200	11/09	11/09
Sunoco Inc	Westville, NJ	145,000	263,000	11/09	02/10
<b>PAD District II</b>		<b>460,315</b>			
Coastal Refining & Mktg	El Dorado, KS	0	20,000	b	
Intercoastal Energy Svcs Corp	Troy, IN	1,250	2,250	11/90	03/91
Farmland Industries	Philipsburg, KS	26,400	22,800	12/91	07/92
Coastal Refining & Mktg	Wichita, KS	28,800	41,300	05/93	06/93
Coastal Refining & Mktg	Augusta, KS	0	21,000	06/93	06/93
Crystal Refining	Carson City, MI	3,000	0	10/92	09/93
Marathon	Indianapolis, IN	50,000	68,000	09/93	10/93
Indian Refining	Lawrenceville, IL	80,750	103,000	09/95	10/95
Cyril Petrochemical Corp	Cyril, OK	7,500	0	09/95	12/95
Laketon Refining	Laketon, IN	11,100	0	06/95	01/96
Total Petroleum, Inc.	Arkansas City, KS	56,000	74,840	08/96	09/96
TPI Petro Inc.	Alma, MI	51,000	63,300	11/99	12/99
Premcor Refining Group	Blue Island, IL	80,515	124,500	01/01	04/01
Premcor Refining Group	Hartford, IL	64,000	116,700	09/02	10/02

**Table 13. Refineries Permanently Shutdown By PAD District Between January 1, 1990 and January 1, 2010**

PAD District / Refinery	Location	Total Atmospheric Crude Oil Distillation Capacity (bbl/cd)	Total Downstream Charge Capacity (bbl/sd)	Date of Last Operation	Date Shutdown
<b>PAD District III</b>		<b>303,580</b>			
Imron Refining, Inc.	San Leon, TX	7,000	0	c	08/90
Eagle Refining	Jackson, TX	1,800	1,800	01/90	10/90
Vulcan Refining	Cordova, AL	9,500	5,000	09/90	12/90
Sabine Resources	Stonewall, LA	12,000	0	c	02/92
Rattlesnake Refining	Wickett, TX	8,000	10,400	02/92	03/92
Texas United Refining Corp	Nixon, TX	20,900	16,500	04/92	06/92
Longview Refining Assoc	Longview, TX	13,300	13,800	08/92	09/92
Thriftway Co	Bloomfield, NM	4,000	3,250	01/92	10/92
El Paso Refining	El Paso, TX	50,000	76,000	10/92	12/92
Dubach Gas	Dubach, LA	8,500	3,000	12/93	12/93
Amerada Hess	Purvis, MS	30,000	50,500	01/94	02/94
Barrett Refg Corp	Vicksburg, MS	8,000	0	06/95	01/96
Arcadia Refining & Mktg	Lisbon, LA	7,350	6,700	01/96	02/96
Canal Refg Co.	Chuch Point, LA	9,500	2,100	07/95	09/97
Gold Line Refining LTD	Jennings, LA	12,000	0	07/97	01/98
Petrolite Corp	Kilgore, TX	600	750	12/97	02/98
Pride Refining Inc.	Abilene, TX	42,750	40,500	05/98	04/98
Shell Oil Co	Odessa, TX	28,300	33,500	10/98	11/98
Berry Petroleum Co.	Stephens, AR	6,700	3,700	07/99	02/00
Dow Haltermann Products	Channelview, TX	880	0	09/04	12/05
Hunt Southland Refining Co	Lumberton, MS	5,800	0	03/05	12/06
Gulf Atlantic Operations LLC	Mobile, AL	16,700	15,400	03/06	09/07
<b>PAD District IV</b>		<b>58,000</b>			
Amoco Oil Co.	Casper, WY	40,000	44,900	12/91	12/91
Landmark Refining	Fruita, CO	10,000	25,900	01/92	11/93
Pennzoil Producing Co.	Roosevelt, UT	8,000	12,900	09/94	10/94

**Table 13. Refineries Permanently Shutdown By PAD District Between January 1, 1990 and January 1, 2010**

PAD District / Refinery	Location	Total Atmospheric Crude Oil Distillation Capacity (bbl/cd)	Total Downstream Charge Capacity (bbl/sd)	Date of Last Operation	Date Shutdown
<b>PAD District V</b>		<b>309,125</b>			
Gibson Oil & Refining	Bakersfield, CA	9,600	0	07/87	12/90
Chevron USA Inc	Kenai, AK	22,000	0	06/91	07/91
Anchor Refining Co.	McKittrick, CA	10,000	6,000	06/91	08/91
Golden West	Santa Fe Springs, CA	47,000	94,300	02/92	03/92
Eco Asphalt Inc.	Long Beach, CA	10,550	7,000	c	10/92
Fletcher Oil & Refining	Carson, CA	29,675	48,100	09/92	10/92
Sunbelt Refining	Coolidge, AZ	10,000	7,000	08/93	09/93
Chemoil Refining Corp	Long Beach, CA	18,000	0	02/94	04/94
Powerine Oil Co.	Santa Fe Springs, CA	46,500	100,300	06/95	09/95
Sunland Refining Corp.	Bakersfield, CA	12,000	2,650	03/95	12/95
Intermountain Refining Co.	Fredonia, AZ	3,800	2,000	01/94	05/96
Pacific Refining Co.	Hercules, CA	50,000	62,400	07/95	09/97
Sound Refining Inc	Tacoma, WA	40,000	45,200	10/98	12/98
Chevron USA Inc.	Richmond Beach, WA	0	6,200	05/00	06/00
Foreland Refining Corp.	Tonopah, NV	0	3,000	02/01	01/02
Tricor Refining LLC	Bakersfield, CA	0	14,400	07/01	01/02
Paramount Petroleum Corporation	Portland, OR	0	10,000	11/06	12/08
<b>U.S. Total</b>		<b>1,531,370</b>			
<b>PAD District VI</b>		<b>204,300</b>			
Arochem International	Ponce, PR	75,600	37,000	12/91	12/92
Peerless Oil & Chemical	Ponce, PR	8,800	45,200	09/94	12/94
Chevron Phillips Chem	Guayama, PR	0	93,200	03/01	01/02
Caribbean Petroleum Corp	San Juan, PR	42,000	60,500	12/00	01/05
Shell Chem Yabucoa Inc	Yabucoa, PR	77,900	91,300	10/08	12/09

a. Facility in operation as other than a refinery since it no longer processes crude oil or unfinished oils.

b. Facility maintained asphalt production capacity until September, 2004.

c. Never Operated

bbl/cd=Barrels per calendar day

bbl/sd=Barrels per stream day.

Sources: Energy Information Administration (EIA) Form EIA-810, "Monthly Refinery Report" and Form EIA-820, "Annual Refinery Report."

# Explanatory Notes

## Survey Methodology

### Description of Survey Form

The Form EIA-820, “Annual Refinery Report,” is the primary source of data in the “Refinery Capacity Report” tables. The form collects data on the consumption of purchased steam, electricity, coal, and natural gas; refinery receipts of crude oil by method of transportation; operable capacity for atmospheric crude oil distillation units and downstream units; and production capacity and storage capacity for crude oil and petroleum products.

### Frame

The respondent frame consists of all operating and idle petroleum refineries (including new refineries under construction), located in the 50 States, the District of Columbia, Puerto Rico, the Virgin Islands, Guam and other U.S. possessions. As of January 1, 2011 there were 149 refineries.

The respondent frame is maintained by monitoring the monthly Form EIA-810, “Monthly Refinery Report,” and industry publications for changes and developments in the petroleum industry such as refinery sales, mergers and new operations.

### Collection

The Form EIA-820 is sent to respondents in December. Survey forms can be submitted by electronic mail or facsimile. Completed forms are required to be postmarked by the 15th day of February of the current report year. Receipt of the reports is monitored using an automated respondent mailing list. Telephone follow-up calls are made to secure responses from those companies failing to report by February 15th.

### Processing and Micro Editing

Upon receipt, all reported data are transformed into a standard format and sent through a log-in and prescreening process to validate respondent control information and resolve any discrepancies. The data are then processed using generalized edit and imputation procedures. Automated editing procedures check current data for consistency with past data and for internal

consistency (e.g., totals equal to the sums of the parts). After the edit failures are resolved and imputation performed for nonrespondents, preliminary tables are produced and used to identify anomalies. Anomalies result in further review of respondent data which in turn may result in additional flagged data and imputation.

### Imputation and Estimation

Imputation is performed for companies that fail to file prior to the publication deadline. When nonresponse occurs, values for these companies are imputed from data reported on the most recent year’s Form EIA-820 and/or from data reported on Form EIA-810, “Monthly Refinery Report,” for that company. For most surveyed items, the value imputed for nonrespondents is the value that the company reported on the Form EIA-820 for the most recent year. For three categories of information however, the imputed value is also based on their data from the Form EIA-810 as follows:

#### Part 4: Refinery Receipts of Crude Oil by Method of Transportation

The imputation methodology for this section is based on data reported on both the monthly Form EIA-810 and the annual Form EIA-820. Annual refinery receipts of domestic and foreign crude oil for a nonrespondent are imputed by aggregating the values for the refinery on the monthly survey. These values are allocated to the method of transportation by using the percentages reported for the refinery in the previous year.

#### Part 5: Atmospheric Crude Oil Distillation Capacity

Operable atmospheric crude oil distillation capacity in barrels per calendar day is collected on the monthly Form EIA-810 as of the first day of each month and on the annual Form EIA-820 as of January 1. As part of the editing process for the Form EIA-820, these two values are compared. Companies are contacted and any discrepancies are resolved by the time of publication. Imputed values for operable atmospheric crude oil distillation capacity in barrels per calendar day are taken directly from the January Form EIA-810. A barrel per stream day capacity is then derived by dividing the reported barrels per calendar day capacity by .95.

## **Parts 6, 7, and 8: Downstream Charge Capacity, Production Capacity, and Working and Shell Storage Capacities**

Current year and projected year data for downstream charge capacity, production capacity, and data for working and shell storage capacity are taken directly from the previous year's annual report.

### **Macro Editing**

A comparison of the data collected on the EIA-820 with other similar data series and industry trade journals is performed each year.

### **Dissemination**

Prior to 2006, the data collected on Form EIA-820, "Annual Refinery Report," was published in the *Petroleum Supply Annual, Volume 1*. Beginning with data for 2006, the Form EIA-820 data are published as a standalone product in the EIA publication "Refinery Capacity Report." This report contains statistics on consumption of purchased steam, electricity, coal, and natural gas; refinery receipts of crude oil by method of transportation; current and projected capacities for atmospheric crude oil distillation, downstream charge, production, and storage capacities. The data are also published in the *Annual Energy Review*. The "Refinery Capacity Report" can be found at:

[http://www.eia.doe.gov/oil\\_gas/petroleum/data\\_publications/refinery\\_capacity\\_data/refcapacity.html](http://www.eia.doe.gov/oil_gas/petroleum/data_publications/refinery_capacity_data/refcapacity.html)

## **Additional Sources of Data**

The Form EIA-820, "Annual Refinery Report," is the primary source of data in the "Refinery Capacity Report" tables. In addition, some data collected on the Form EIA-810, "Monthly Refinery Report," are included.

## **Quality**

### **Response Rates**

The response rate for the Form EIA-820 is normally 100 percent.

### **Non-sampling Errors**

There are two types of errors usually associated with data produced from a survey -sampling errors and nonsampling errors. Because estimates from the Form EIA-820 survey are based on a complete census of the frame of petroleum refineries, there is no sampling error in the data presented in this report. The data, however, are subject to nonsampling errors. Nonsampling errors are those which can arise from: (1) the inability to obtain data from all companies in the frame or sample (nonresponse) and the method used to account for nonresponses; (2) definitional difficulties and/or improperly worded questions which lead to different interpretations; (3) mistakes in recording or coding the data obtained from respondents; and (4) other errors of collection, response, coverage, and estimation. Quality control procedures are employed in the collection and editing operations to minimize misrepresentation and misreporting. Nonresponse follow-up procedures are employed to reduce the number of nonrespondents, and procedures employed to impute missing data, introduce a minimal amount of error, given the relatively small volume of imputed data.

### **Resubmissions**

EIA-820 resubmissions are required whenever an error greater than 5 percent of the true value is discovered. In the event of a reporting error, company reports are updated after contact with the company and are followed up by corrected report resubmissions.

### **Revision Policy**

The "Refinery Capacity Report" reflects EIA's final data on refinery capacity and will be revised only if, in EIA's judgment, a revision is expected to substantially affect understanding of the U.S. refinery capacity.

## **Confidentiality**

Information on operable atmospheric crude oil distillation capacity, downstream charge capacity, and production capacity reported on Parts 5, 6, and 7 of Form EIA-820 are not considered confidential and are published in the "Refinery Capacity Report." All other information reported on Form EIA-820 (i.e. Parts 3, 4, and 8 and respondent information) will be protected and not disclosed to the public to the extent that it satisfies the criteria for exemption under the Freedom of Information Act (FOIA), 5 U.S.C. §552, the DOE

regulations, 10 C.F.R. §1004.11, implementing the FOIA, and the Trade Secrets Act, 18 U.S.C. §1905.

The Federal Energy Administration Act requires the EIA to provide company-specific data to other Federal agencies when requested for official use. The information reported on this form may also be made available, upon request, to another component of the Department of Energy (DOE); to any Committee of Congress, the General Accountability Office, or other Federal agencies authorized by law to receive such information. A court of competent jurisdiction may obtain this information in response to an order. The information may be used for any nonstatistical purposes such as administrative, regulatory, law enforcement, or adjudicatory purposes.

Company specific data are also provided to other DOE offices for the purpose of examining specific petroleum operations in the context of emergency response planning and actual emergencies.

Disclosure limitation procedures are not applied to the statistical data published from this survey's information. Thus, there may be some statistics that are based on data from fewer than three respondents, or that are dominated by data from one or two large respondents. In these cases, it may be possible for a knowledgeable person to estimate the information reported by a specific respondent.

## **Refinery Capacity History**

Refinery capacity data collection was begun in 1918 by the Bureau of Mines, then in the Department of Commerce, and was operated on a voluntary basis until 1980. In 1980, the mandatory Energy Information Administration (EIA) Form EIA-177, "Capacity of Petroleum Refineries," was implemented. Information on refining capacity was expanded to include not only current year operations, but two-year projections, and refinery input/production data. Working storage capacity data was also added to the form and product categories were added for total coverage. Information on refinery downstream facilities was expanded to include a breakdown of thermal operations and to add vacuum distillation, catalytic hydrorefining and hydrotreating. Production capacity was also added to include information on isomerization, alkylation, aromatics, asphalt/road oil, coking, lubricants and hydrogen.

In 1983, the form was revised to improve the consistency and quality of the data collected by the EIA and redesignated as Form EIA-820, "Annual Refinery Report." Two sections for data previously reported monthly were added: (1) refinery receipts of crude oil by method of transportation, and (2) fuels consumed for all purposes at refineries. Also, the second year projections on refining capacity were eliminated. As a result of a study conducted by the EIA evaluating motor gasoline data collected by the Federal Highway Administration (FHWA) and by the EIA, motor gasoline blending plants were included for the first time in the respondent frame in order to produce more accurate statistics on the production of motor gasoline.

In 1987, the form was revised to reduce respondent burden and to better reflect current refinery operations through updated terminology. Information on projected input/production of refinery processing facilities was deleted. Several categories under catalytic hydrotreating were combined: naphtha and reformer feeds were combined into a single category as well as residual fuel oil and "other." Thermal cracking types, gas oil and "other" were also combined into a single category. Catalytic reforming types, conventional and bi-metallic were replaced with low and high pressure processing units. Two new categories were added: fuels solvent deasphalting was added to downstream charge capacity and sulfur recovery was added to production capacity.

In 1994, the form was revised to enable EIA to calculate utilization rates for certain downstream processing units and to reflect storage capacity of fuels mandated by the Clean Air Act Amendments of 1990. Additions to the form included calendar day downstream charge capacity for fluid and delayed coking, catalytic cracking, and catalytic hydrocracking. Also storage capacity categories for reformulated, oxygenated, and other finished motor gasoline were added, as well as oxygenate storage capacity and separate categories for high and low sulfur distillate fuel oil.

In 1995, motor gasoline blending plants were dropped from the survey frame, since by this time, the only section of the form that applied to them was working and shell storage capacity. Also in 1995, a decision was made to no longer collect storage capacity from shutdown refineries; therefore, these refineries were also eliminated from the survey frame.

In 1996, the survey was moved to a biennial schedule (every other year) and was renamed “Biennial Refinery Report.” The survey was not conducted for January 1, 1996 or January 1, 1998. Respondents were not required to submit data for crude oil and petroleum products consumed at refineries during 1995 and 1997. These data are available from the Form EIA-810, “Monthly Refinery Report.” The requirement to submit data for refinery consumption of natural gas, coal, and purchased steam and electricity on the Form EIA-820 remained.

In 2000, the survey was moved to an annual schedule.

In 2004, the survey form was amended to reflect the increasing emphasis on the removal of sulfur from transportation fuels.

In 2009, natural gas used as feedstock for hydrogen plant production was added to the form. Also, isooctane production capacity was added.

In 2010, the survey form was amended to reflect the increasing use of bio-fuels. Storage capacities of biomass-based diesel fuel, other renewable diesel fuel and other renewable fuels were added to the form. Also, barrels per calendar day capacity of the catalytic reformer was added; previously this was only collected on a stream day basis.

In 2011, storage capacity data was removed from the form. Storage capacity is now being collected as of March 31 and September 30 on the Form EIA-810, “Monthly Refinery Report.”